

J. H. FOUCH.
Lamp-Burner.

No. 169,161.

Patented Oct. 26, 1875.

Fig. 1

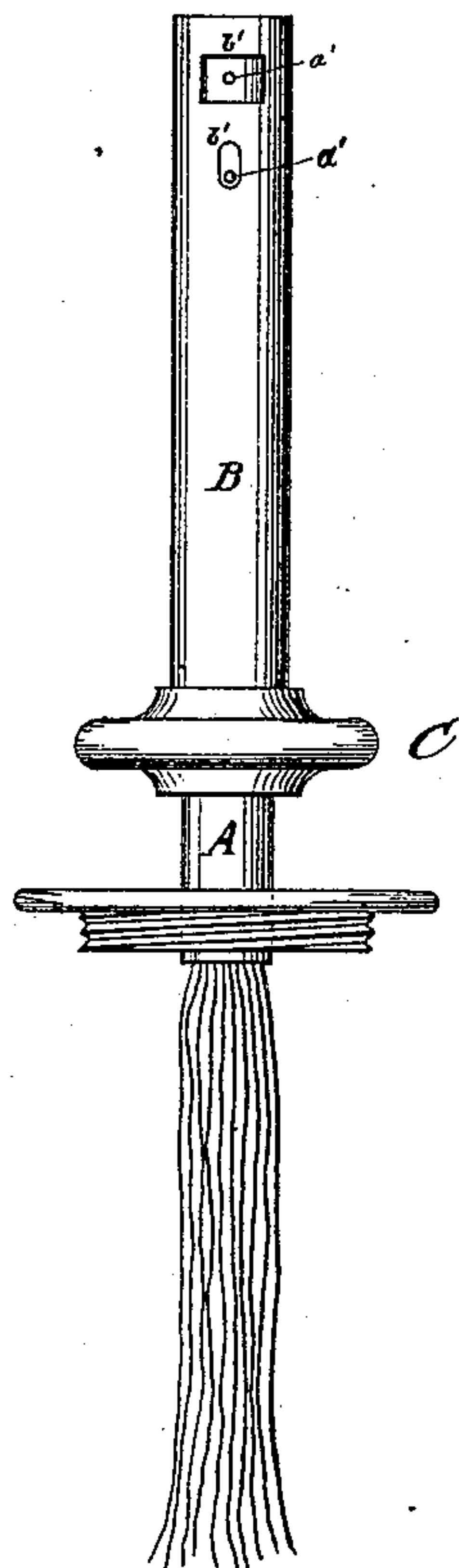
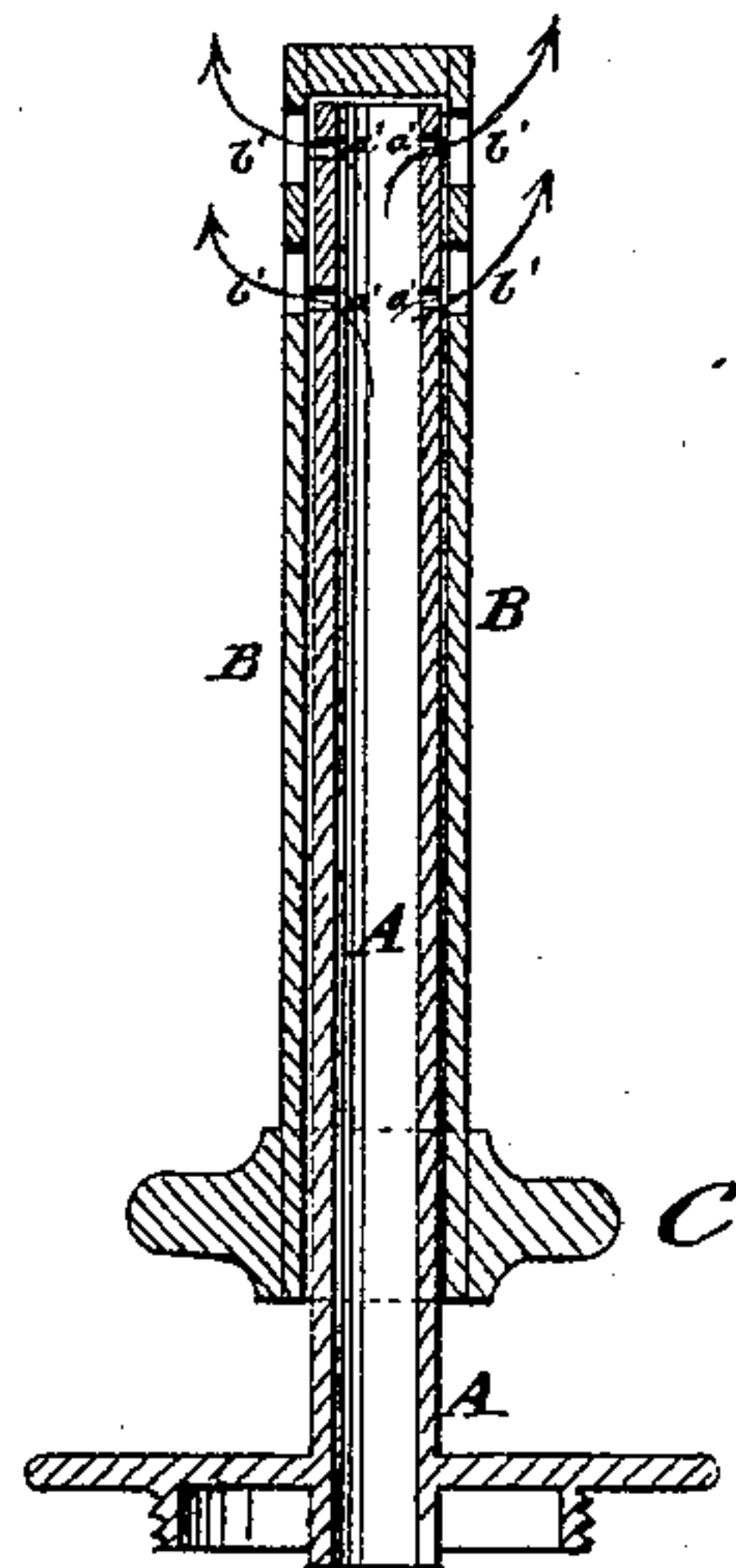


Fig. 2



Witnesses:
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per
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UNITED STATES PATENT OFFICE.

JOHN H. FOUCH, OF SAUK CENTRE, MINNESOTA.

IMPROVEMENT IN LAMP-BURNERS.

Specification forming part of Letters Patent No. **169,161**, dated October 26, 1875; application filed July 31, 1875.

To all whom it may concern:

Be it known that I, JOHN H. FOUCH, of Sauk Centre, Stearns county, Minnesota, have invented a new and Improved Lamp-Burner, of which the following is a specification:

Figure 1 represents a side elevation, and Fig. 2 a vertical central section, of my improved lamp-burner.

Similar letters of reference indicate corresponding parts.

My invention relates to an improved burner for gasoline and other lamps, by which the flame may be regulated in a simple and effective manner, producing a greater or less amount of heat without waste of gas. The invention consists in combining with a wick-tube an inclosing-shell or cut-off tube, the latter being adjustable on the former, and the arrangement of gas-orifices being such that a portion of the jets may be closed without closing the others, as hereinafter described.

In the drawing, A represents the main burner of a gasoline or other lamp, which is open at the top, and provided with a number of gas-issuing holes, *a'*, that are at a suitable distance from each other and from the end of the burner. A shell or cut-off, B, fits on the burner, and is provided at the lower end with a but-

ton, C, made preferably of wood, that is rigidly attached to the shell to allow the turning of the same on the burner. The tube B has slots *a'* corresponding, in number and position, with gas-jet openings *b'*; but the lower slots are much narrower than the upper ones; hence the tube B may be turned on tube A sufficiently to close the lower holes *b'* without closing the upper ones. Thus the number of ignited gas-jets and amount of light emitted therefrom may be easily regulated.

I do not claim a burner composed of two coincident tubes, of which the outer one is adapted to cut off the emission of gas from the inner; but

I claim—

The combination of the inner tube B, having the gas-jet holes *b'* and the inclosing-tube B, having corresponding slots *a'*, one larger or wider than the other, to operate as and for the purpose specified.

JOHN H. FOUCH.

Witnesses:

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