

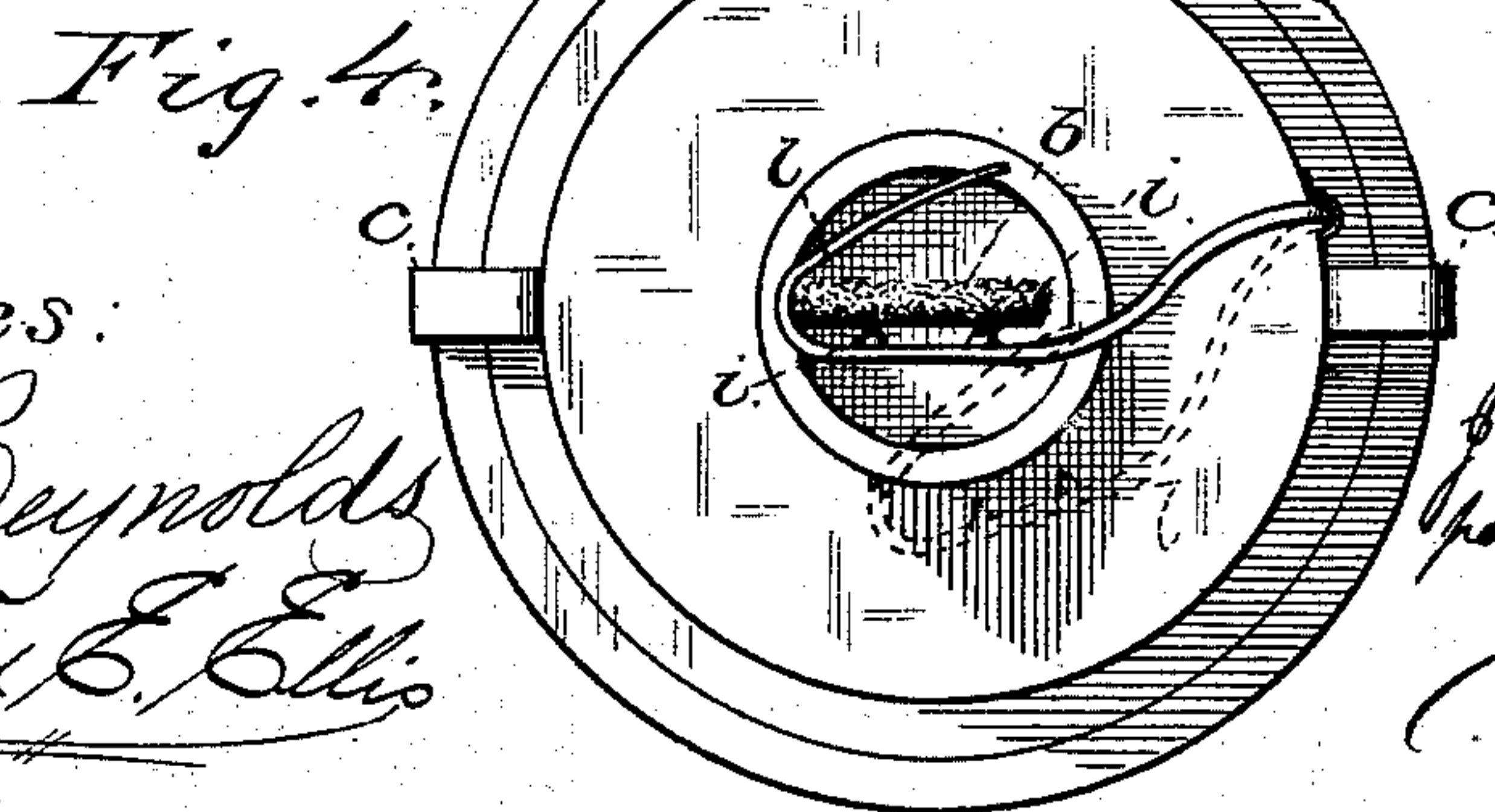
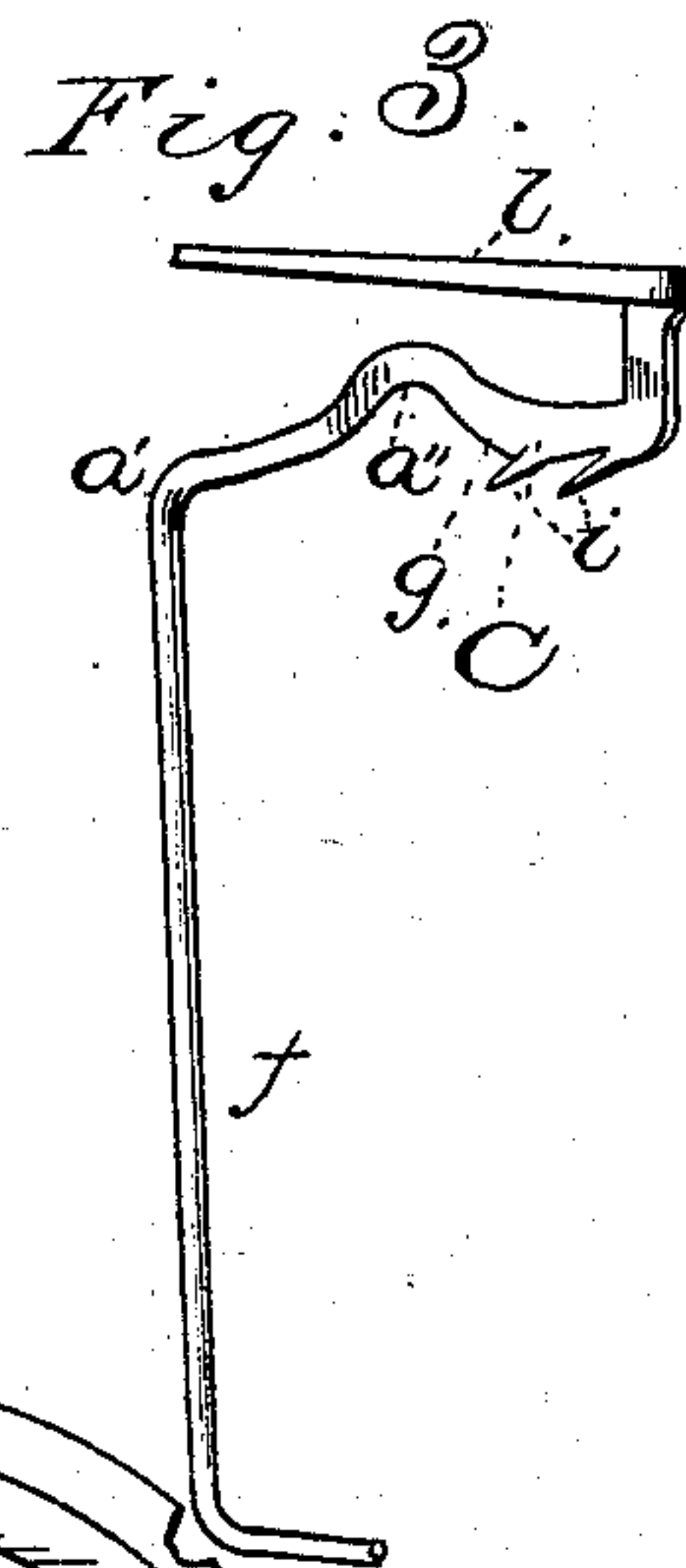
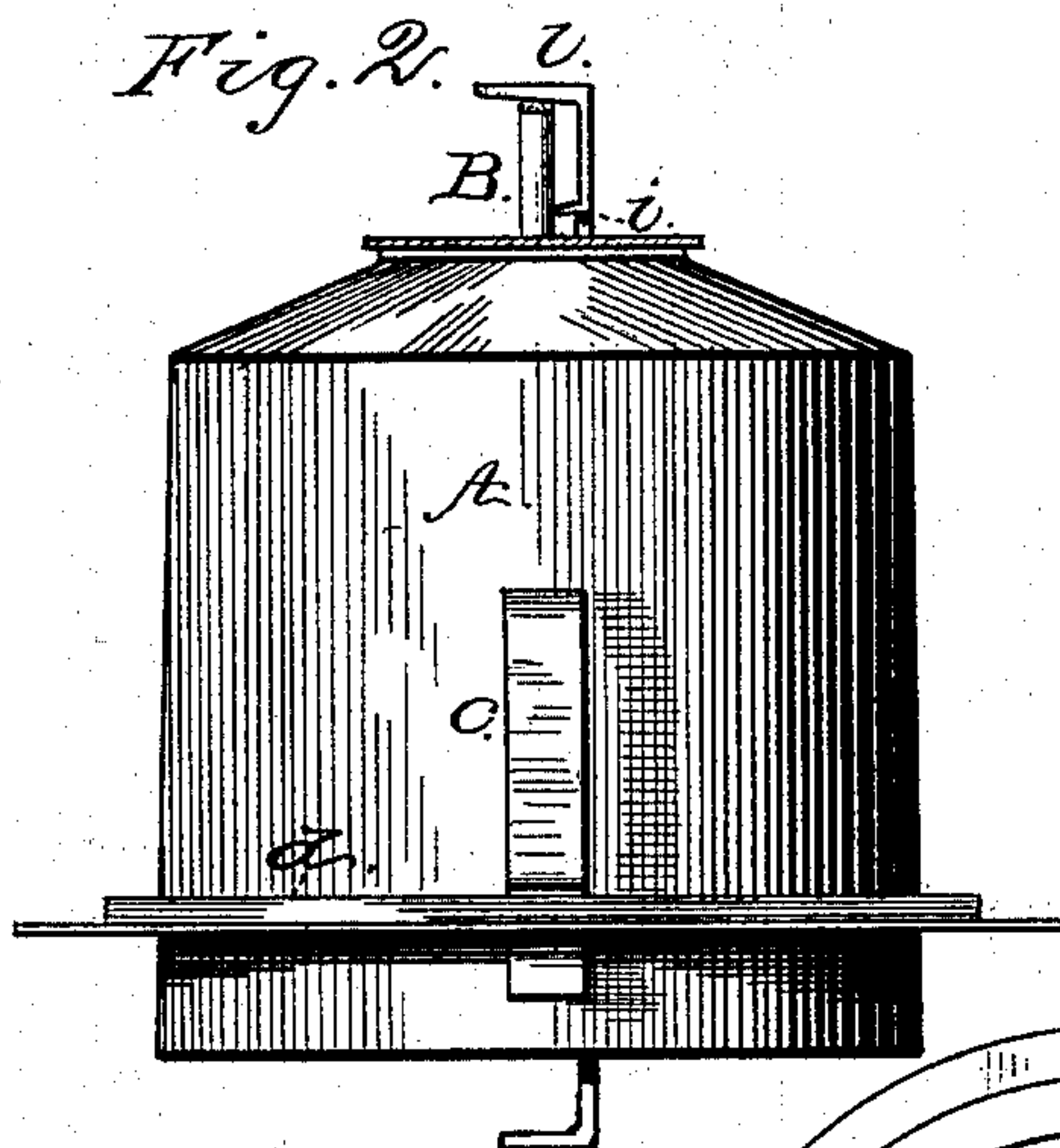
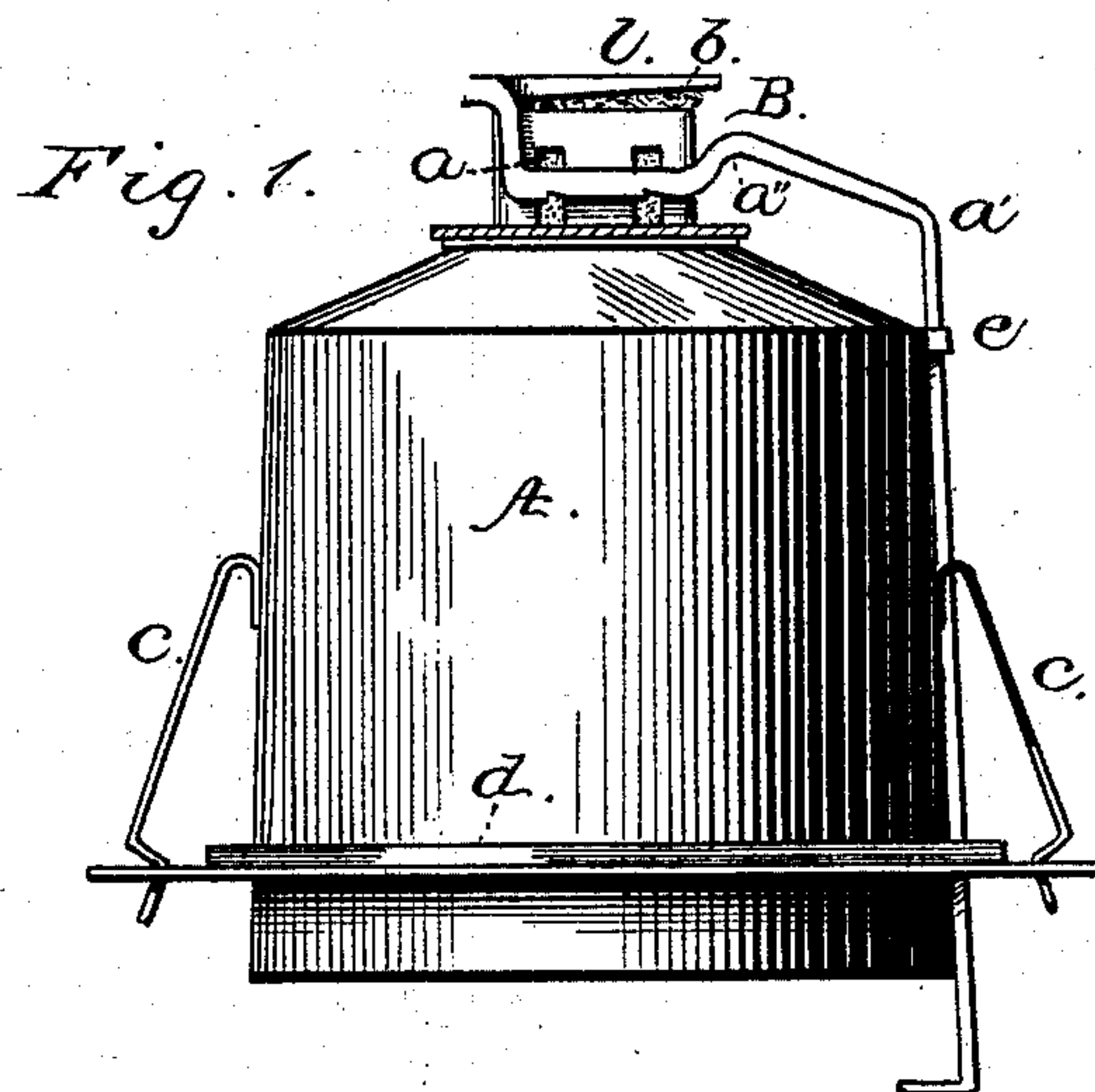
(No Model.)

J. B. DEEDS.

WICK ADJUSTER AND TRIMMER FOR LAMPS.

No. 283,217.

Patented Aug. 14, 1883.



Witnesses:

J. M. Reynolds
Edward E. Ellis

Inventor:

John B. Deeds
per O. P. Duffy
att'y.

UNITED STATES PATENT OFFICE.

JOHN B. DEEDS, OF TERRE HAUTE, INDIANA, ASSIGNOR OF ONE-HALF TO
WILLIAM MACK, OF SAME PLACE.

WICK ADJUSTER AND TRIMMER FOR LAMPS.

SPECIFICATION forming part of Letters Patent No. 283,217, dated August 14, 1883.

Application filed June 2, 1883. (No model.)

To all whom it may concern:

Be it known that I, JOHN B. DEEDS, of Terre Haute, in the county of Vigo and State of Indiana, have invented certain new and useful Improvements in a Combined Wick Adjuster and Trimmer for Lamps; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form part of this specification.

This invention has relation to that class of devices known as "wick adjusters and trimmers" for lamps, lanterns, and miners' lamps, having for its object to combine the two articles in one, whereby the wick can be readily adjusted to any height and trimmed by the manipulation of one and the same device, and also having as an object to cheapen the cost of manufacture of the same.

To this end the invention consists in the construction and form of said device or tool, of which a more enlarged description will be hereinafter given.

Referring to the annexed drawings, Figure 1 is an elevation of a lamp, showing my improvement in connection therewith. Fig. 2 is a similar view, illustrating the manner in which the points are made to enter openings or slots in the burner-tube, whereby an engagement of the wick therein is effected. Fig. 3 is a perspective view of the combined trimmer and adjuster proper; and Fig. 4 is a top or plan view of a lamp, showing in dotted lines how by twisting the device it is made to pass back and forth over the wick to thus trim it.

Reference being had to the letters marked thereon, A represents a lamp, and B the burner or wick-holding tube, having in one or both sides thereof vertically-elongated slots *a*.

b indicates the wick, and C the device proper by which it is adjusted in the tube to any required height for burning.

c c represent spring-clips by which the lamp is secured within a lantern, and *d* the usual circumferential flange through which and a

small guide, *e*, at the top, is held and turns the lifter or adjuster.

This compound instrument or device is formed of a single piece of wire or metal, *f*, which is bent at about its middle portion to an angle, as at *a'*, and bent slightly oblique, as at *a''*, and again to an angle, giving a straight or nearly horizontal portion, *g*, having projecting outward from the side thereof teeth or points *i*, for engaging the wick, and it is then bent upward and around, thus terminating in a crooked or curvilinear portion, *l*, (or other suitable form,) by which, when the wick has become charred and crisp, it is scraped to render the flame more brilliant. The teeth or points *i* are formed by slitting the edge and turning them outward.

It will be obvious that the very precise bends given the device are not necessary, but only given in this instance to conform to shape of lamp on top.

The manner of operation is as follows: The burner is fastened within the ordinary screw-cap, by which it is secured in the lamp, and has vertical slots in its sides, as explained. When the wick is to be raised, the device is turned or twisted to bring the teeth within the slots, thus entering the wick, and by pushing upward it can be elevated as high as the length of the slots will permit, and by turning it outward it is disconnected with the wick. When the wick needs scraping or trimming, by the operation of twisting back and forth, as before mentioned, it is relieved of its charred or burnt portion.

It will be noticed that should the wick be raised too high, it can be brought down and be adjusted to any height; and it will also be observed that a novel and effective arrangement is thus obtained, which renders the same uncumbersome, simple, and cheap in cost of manufacture.

Only one point or tooth on the device, as well as one slot in the tube, might be employed, but for raising the wick evenly I prefer the construction shown and described.

Having thus described my invention, what I claim is—

In lamps and lanterns, a combined wick ad-

juster and trimmer, formed of a single piece
of metal bent in the form and manner de-
scribed, and having outwardly-projecting teeth
for engaging the wick, and terminating in the
5 crooked portion for trimming the wick, sub-
stantially in the manner set forth.

In testimony that I claim the foregoing as

my own I affix my signature in presence of two
witnesses.

JOHN B. DEEDS.

Witnesses:

B. F. MORSELL,

EDWARD E. ELLIS.