

(No Model.)

E. MILLER, Jr.
ARGAND LAMP.

No. 514,158.

Patented Feb. 6, 1894.

Fig. 1.

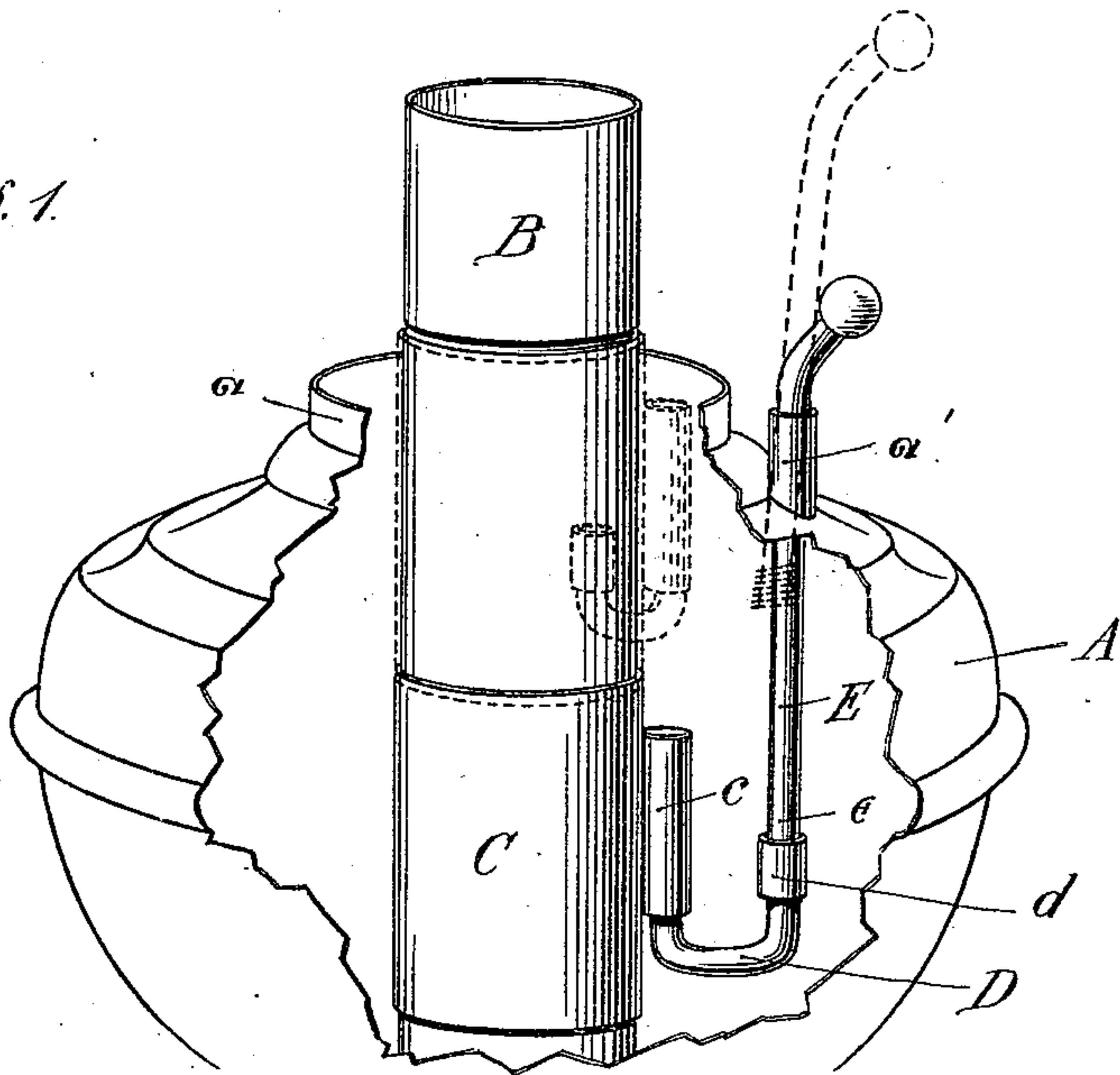


Fig. 2.

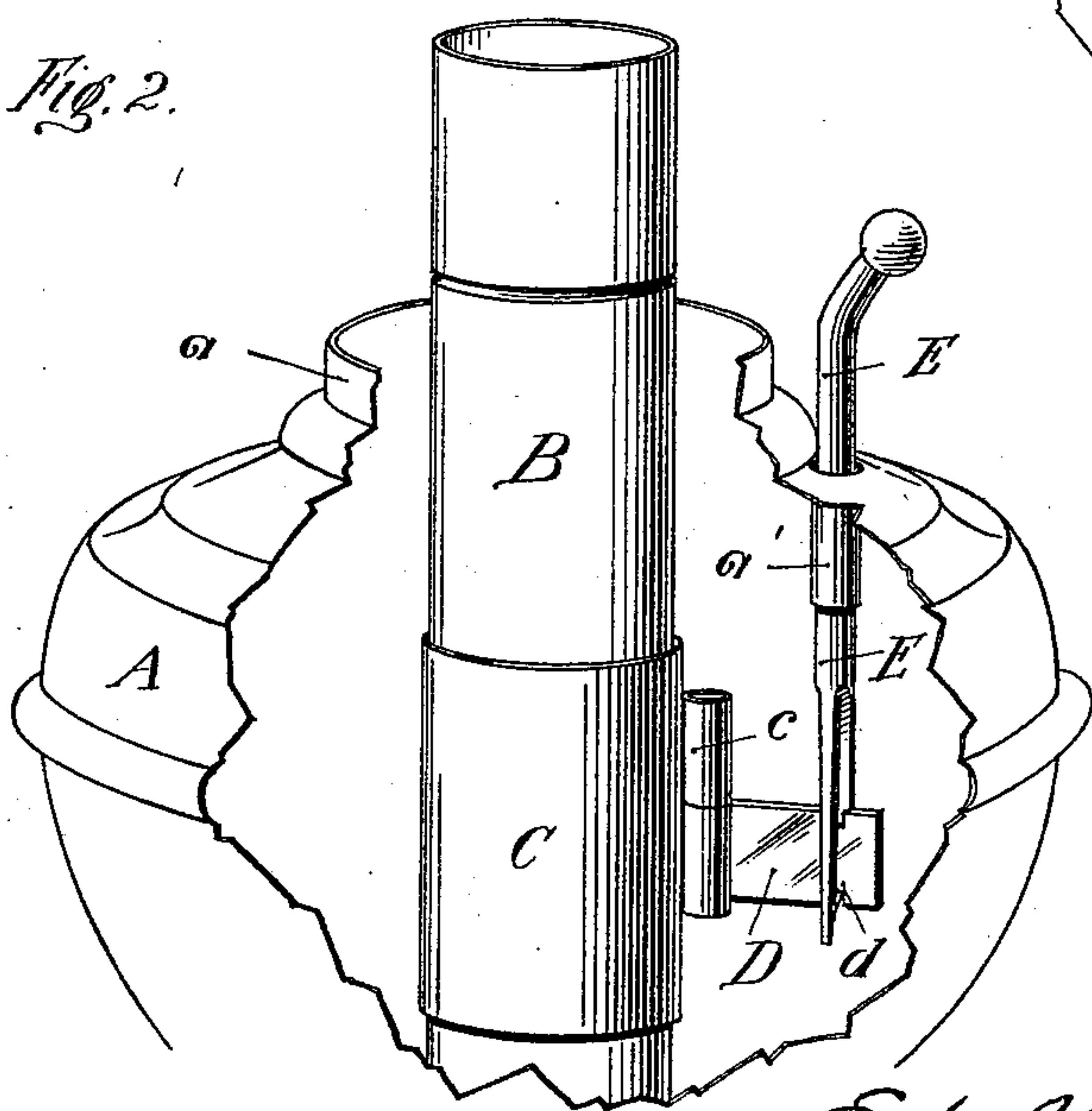
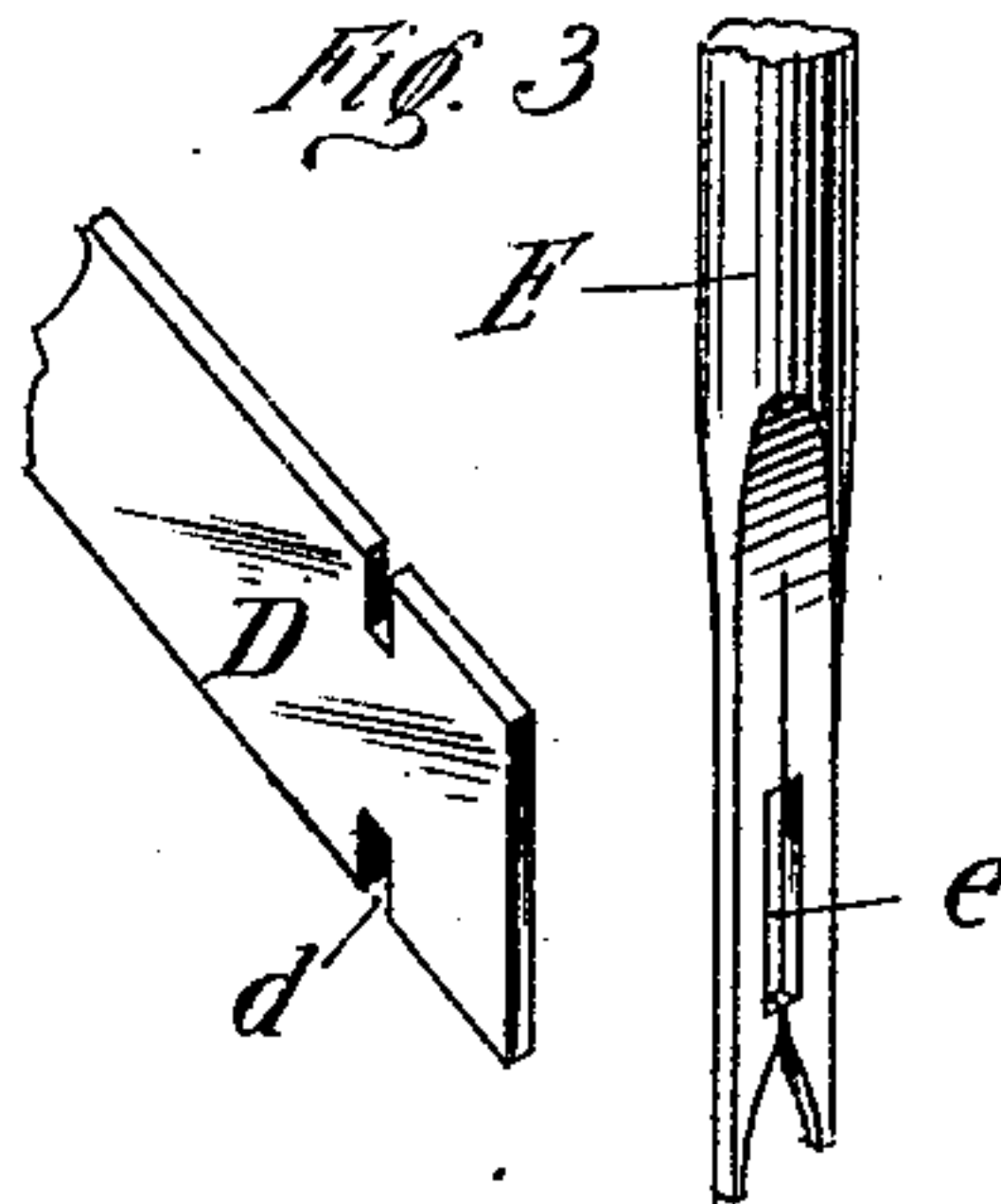


Fig. 3.



WITNESSES.

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ARGAND LAMP.

SPECIFICATION forming part of Letters Patent No. 514,158, dated February 6, 1894.

Application filed June 30, 1893. Serial No. 479,817. (No model.)

To all whom it may concern:

Be it known that I, EDWARD MILLER, Jr., a citizen of the United States, residing at Meriden, New Haven county, Connecticut, have
5 invented a new and useful Improvement in Argand Lamps, of which the following is a specification.

My invention relates to that class of Argand lamps in which a wick adjusting sleeve surrounds the inner wick tube. It is intended to provide a simple means of making such wick sleeves removable from the lamp.

In the accompanying drawings, which represent in perspective and partly broken away
15 so much of an Argand lamp as is necessary to show my invention, Figures 1 and 2 show different forms of my device. Fig. 3 shows in detail parts shown in Fig. 2.

The same letters refer to like parts in the
20 several views.

A, designates a fount top; *a*, a central opening in the top A; *a'*, a second opening in the top A; B, an inner wick tube; C, a wick sleeve; *c*, a bearing on the sleeve C; D, an offset; *d*,
25 Fig. 1, a socket; *d'*, *d''*, Figs. 2 and 3, recesses in the offset D; E, a drawbar; *e*, Fig. 1, a screw-thread at the lower end of the drawbar E; *e'*, Figs. 2 and 3, a forked recess also in the drawbar E.

30 In the example of my invention shown in Fig. 1 of the drawings, the fount top A, openings *a* and *a'*, wick tube B and sleeve C may be of usual or convenient form. As shown, the tube B has the double function of central
35 air supply and inner wick tube, the sleeve C is of a diameter to move freely thereon and is adapted to carry the wick on its outer surface. These details are non-essential to my invention. The sleeve C is provided with a
40 vertical, tubular bearing *c*, in which a vertical arm of an offset D is capable of limited rotation. At the outer end of the horizontal arm of the offset D is formed a socket *d* here shown as internally screw-threaded. Through
45 the opening *a'* in the fount top A passes a drawbar E, the lower end of which is formed with an external screw-thread *e* adapted to engage with the socket *d*.

The operation of my device will be readily
50 understood from an examination of the draw-

ings. The offset D being rotated in the bearing *c* to a position tangential to the sleeve C, the sleeve and offset may be introduced through the opening *a* in the fount top A, the sleeve of course surrounding the tube B. This
55 is shown in dotted lines, Fig. 1. The offset D is then turned outward radially from the sleeve C, the draw-bar E inserted through the opening *a'*, and its lower end *e* screwed into
60 the socket *d*. A wick may then be slipped on the sleeve C and the lamp is ready for use. It is clear that by a reversal of the above described operation the sleeve and draw-bar may be removed from the lamp as desired.

In Fig. 2 of the drawings I have shown the
65 offset D as formed with recesses *d'*, *d''*, adapted to engagement in the recess *e'* at the lower end of the drawbar E'. This device is most clearly shown in Fig. 3 of the drawings. The operation of the device is not changed by
70 these alterations, which are exhibited in proof of the fact that my invention does not depend upon a particular form of embodiment. I have also shown the opening *a'* as provided with an internally projecting sleeve which
75 forms a guide for the draw-bar E. When this mode of construction is followed, there is no obstruction whatever to the operations of buffing and otherwise finishing the fount, the sleeve and draw-bar being separately finished
80 and inserted after the parts are complete.

I am of course familiar with several devices in which a draw-bar is formed with a tongue adapted to detachable engagement with a socket on the wick sleeve. By this means
85 the removability of the sleeve is provided for but the draw-bar cannot be released from the lamp.

I am not aware of any previous device in which an offset is pivoted to the wick sleeve
90 and provided at its free end with means for attaching it to a draw-bar. Neither am I aware of any previous device in which an offset is pivotally secured to the wick sleeve so as to be capable of rotation thereon in a horizontal plane. In my device the offset being
95 thus secured to the sleeve may be turned to such a position as to be capable of insertion with the sleeve through the collar or central opening of the lamp while when turned to its
100

radial position it is capable of engagement with a straight vertically adjustable draw-bar. In this way the separate removability of the sleeve and draw-bar is secured.

5 What I claim as my invention, and desire to secure by Letters Patent of the United States, is as follows:

10 1. In an Argand lamp in combination, a wick adjusting sleeve, an offset pivotally secured to said sleeve so as to be capable of limited rotation in a horizontal plane and a draw-bar, said offset and said draw-bar being provided with means for detachably securing the one to the other, substantially as described.

15 2. In an Argand lamp in combination, a wick adjusting sleeve, an offset pivotally secured to said sleeve so as to be capable of limited rotation in a horizontal plane and a draw-bar, said offset and said drawbar being provided
20 the one with a socket and the other with a portion adapted to enter said socket and to be detachably secured therein, substantially as described.

25 3. In an Argand lamp in combination, a wick adjusting sleeve, an offset pivotally secured to said sleeve so as to be capable of limited rotation in a horizontal plane and provided

with a socket and a drawbar provided at its lower end with a portion adapted to detach-
able engagement in said socket, substantially 30 as described.

4. In an Argand lamp in combination, a wick adjusting sleeve, a vertical bearing on said sleeve, an offset secured within said bearing so as to be capable of limited rotation there- 35 in and a drawbar, said offset and said drawbar being provided with means for detachably securing the one to the other, substantially as described.

5. In an Argand lamp in combination, a 40 fount top, a central opening in said fount top, a second and separate opening in said fount top, a wick adjusting sleeve, an offset pivotally attached to said sleeve, so as to be capable of limited rotation in a horizontal plane 45 said sleeve and offset being capable of passing through said central opening, and a draw bar adapted to pass through said second opening and to engage with said offset within the lamp, substantially as described.

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Witnesses:

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