

W. T. GARRATT.

OIL-CUP.

No. 185,315.

Patented Dec. 12, 1876.

Fig 1.

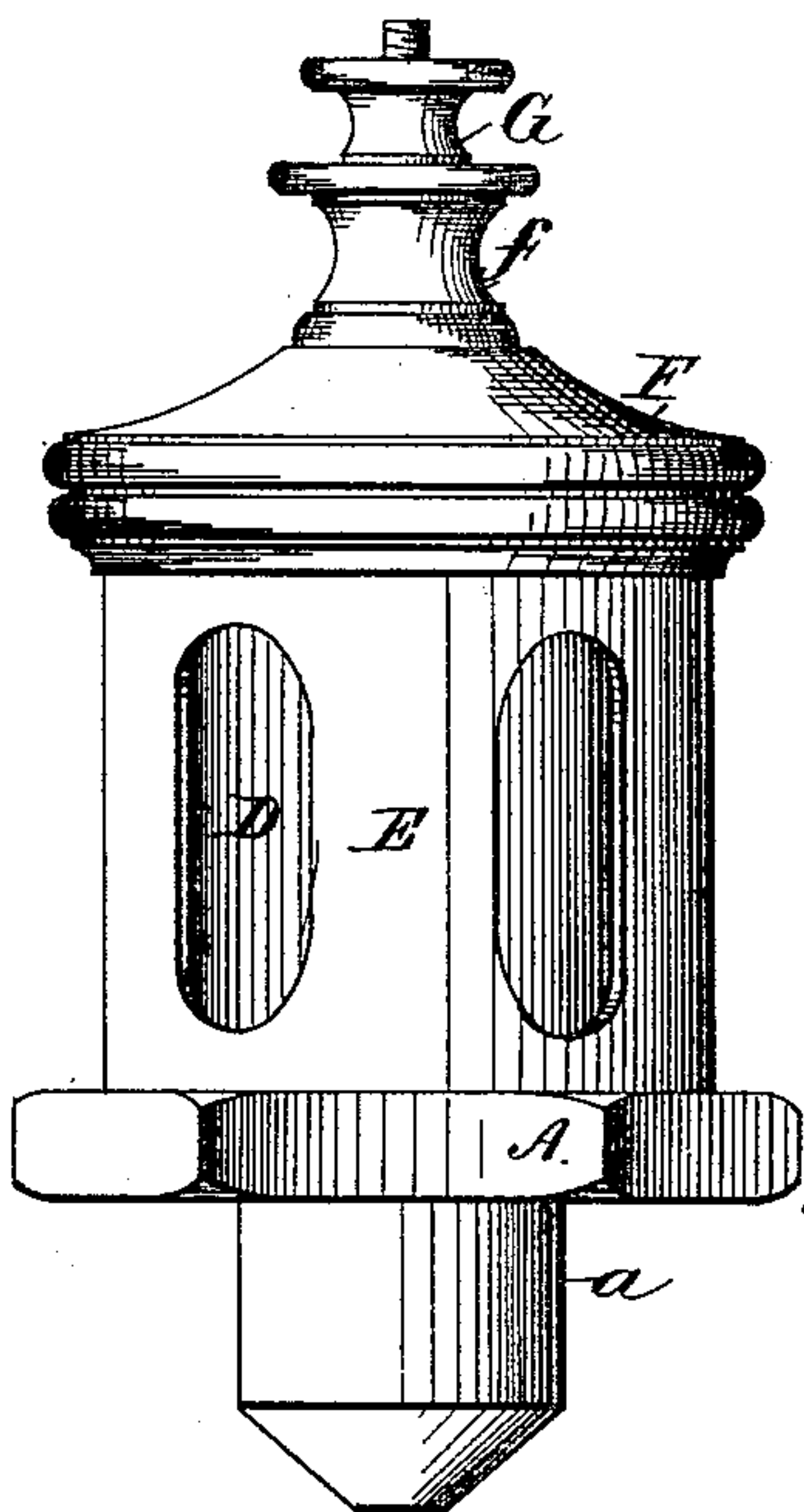


Fig 2.

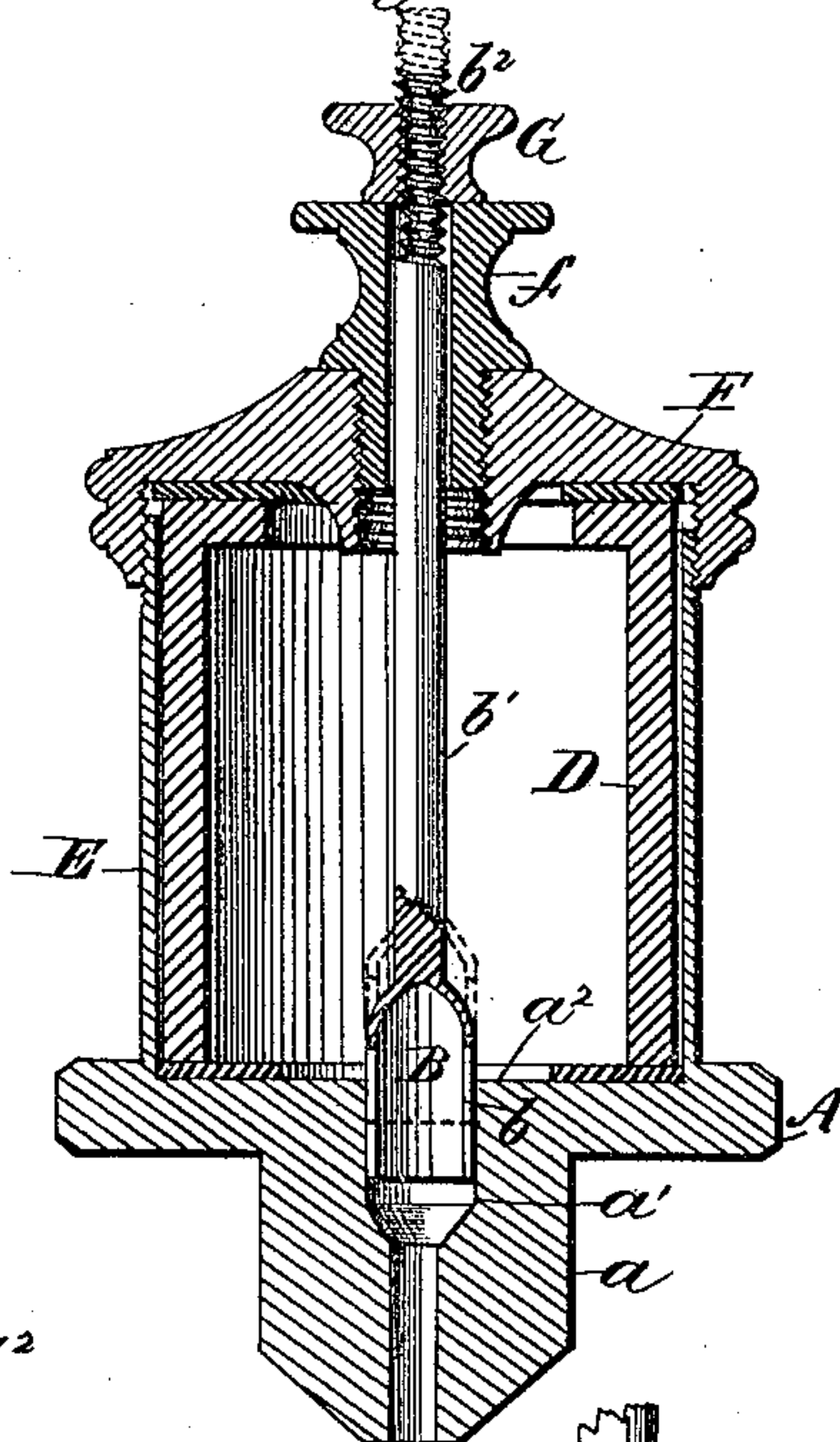


Fig 3

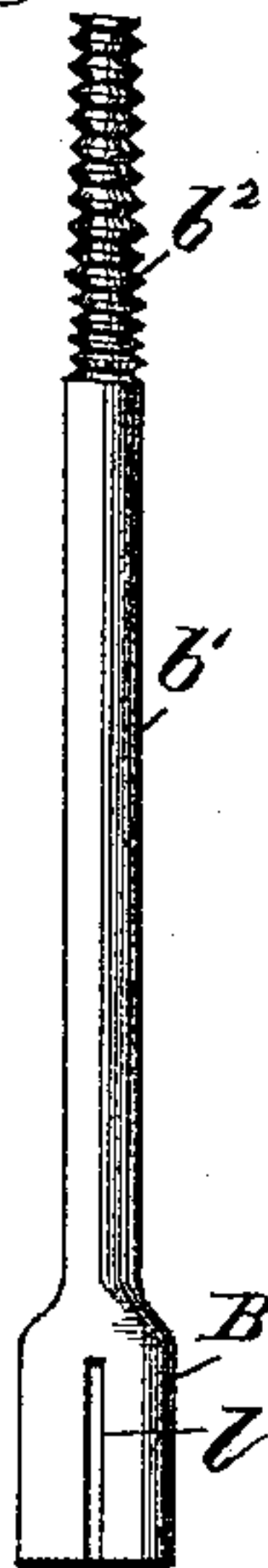


Fig 4

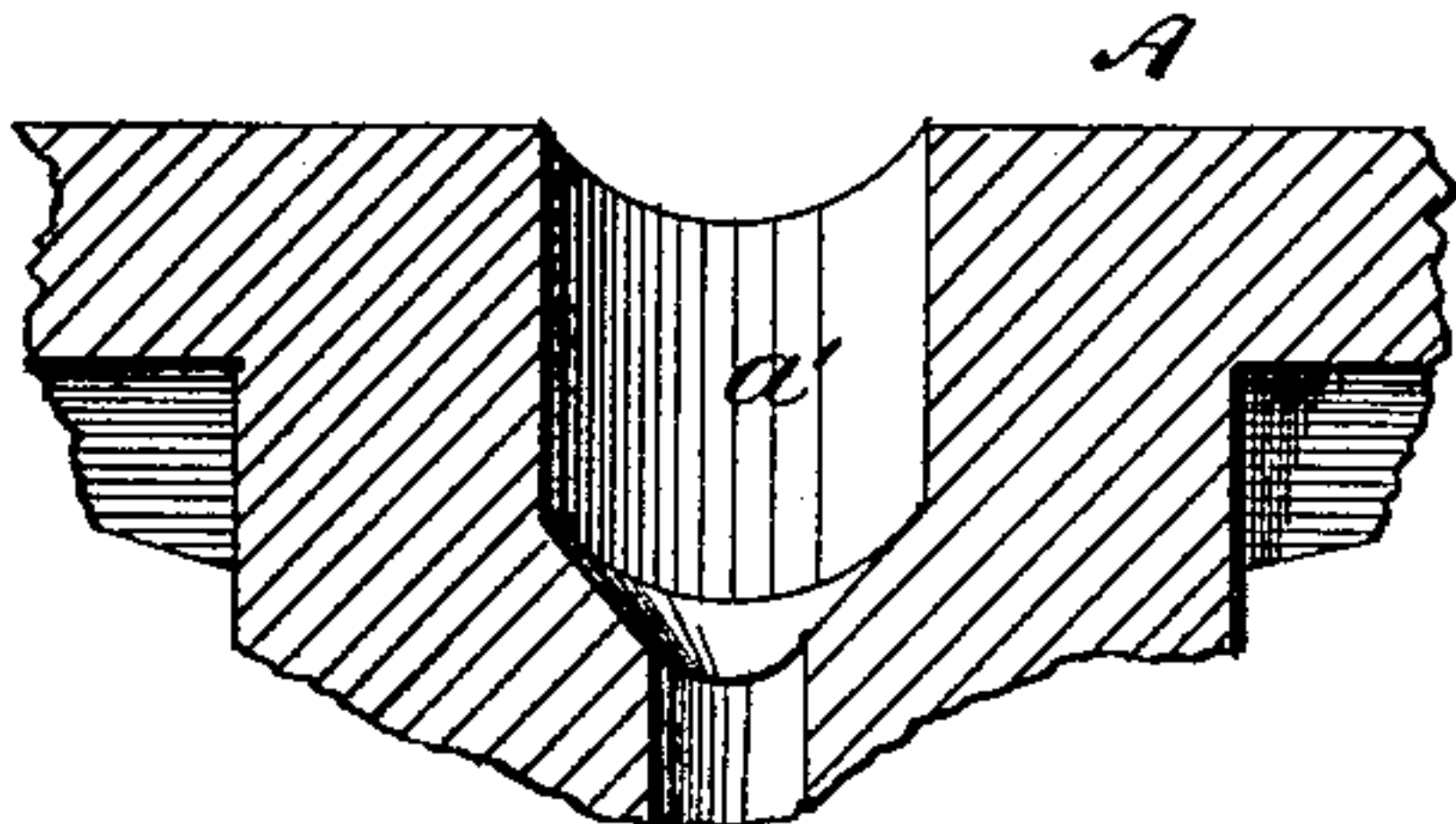


Fig 5



Witnesses;
Harry B. Clark.
Hannie Stallings.

Inventor.
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Fig 6.

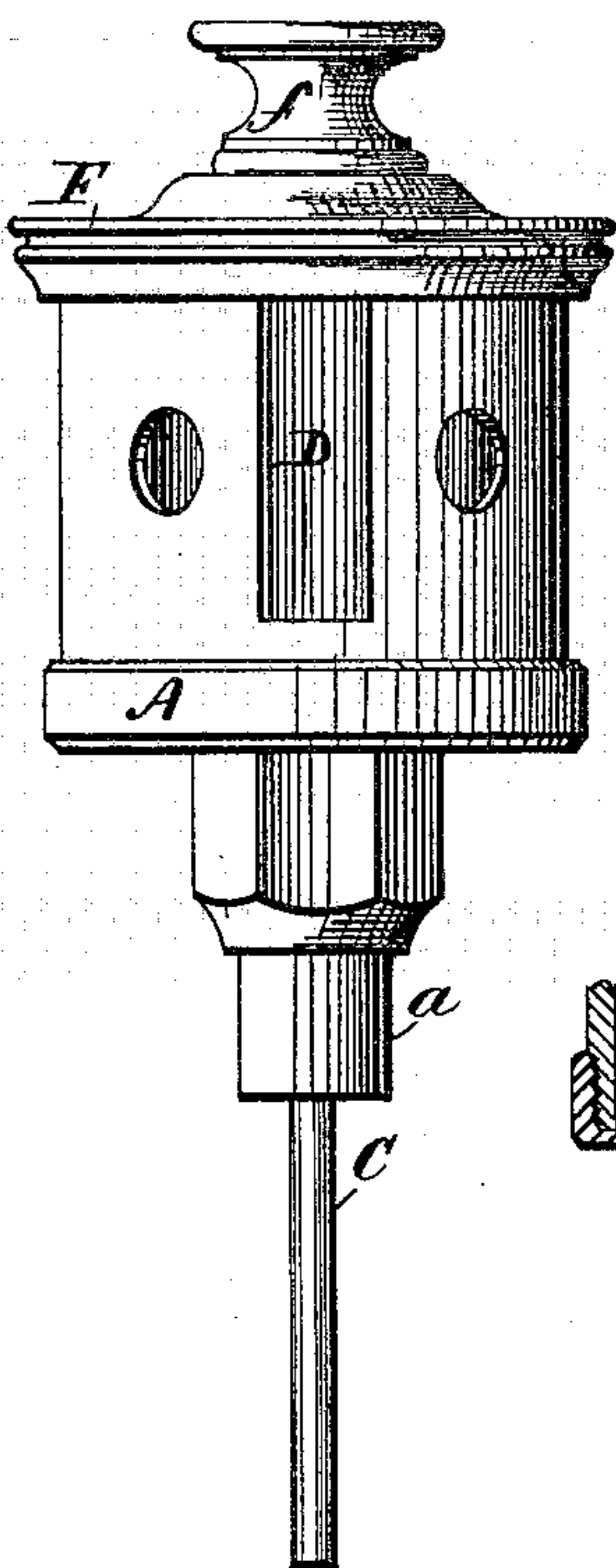


Fig 7.

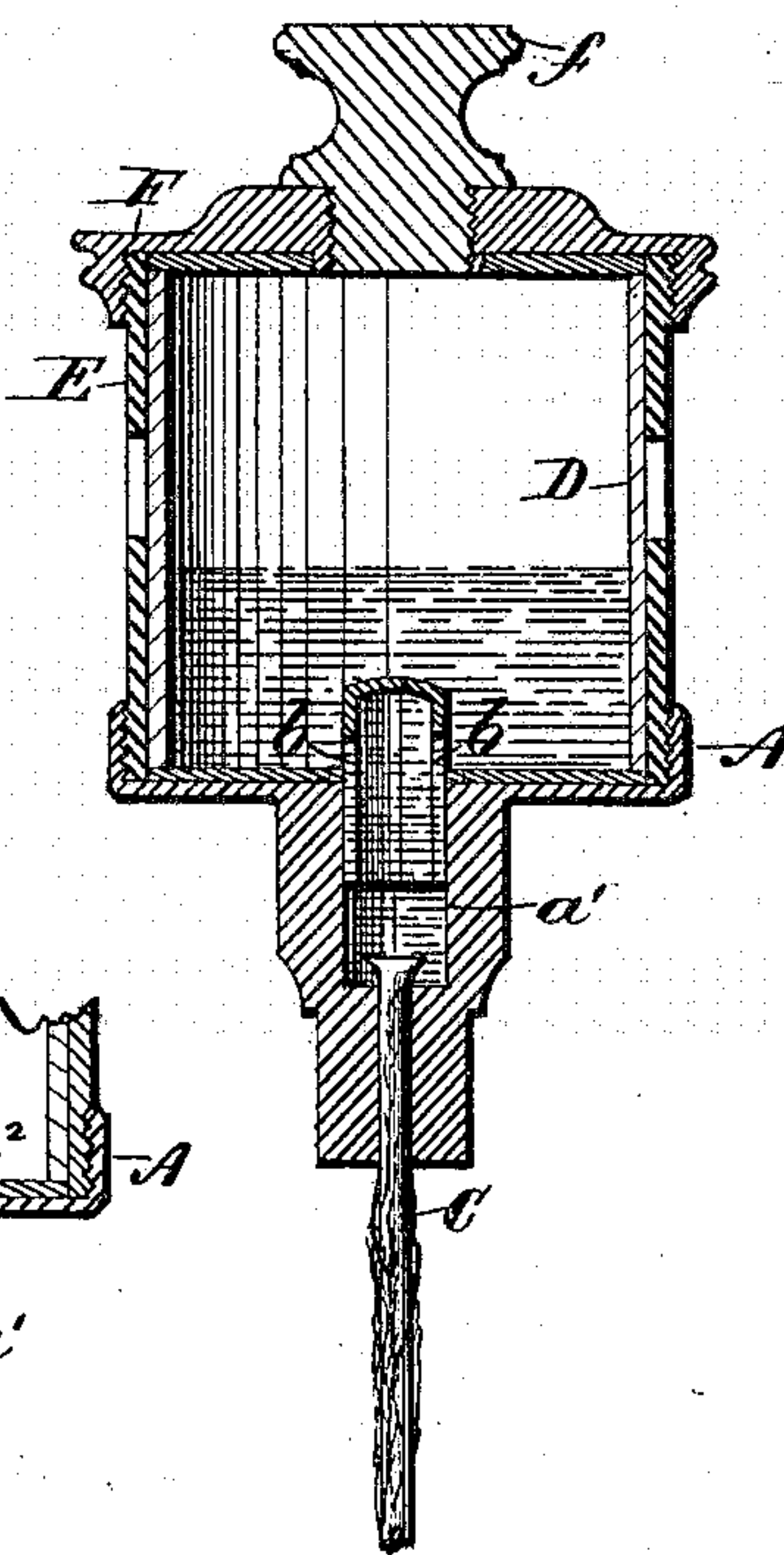
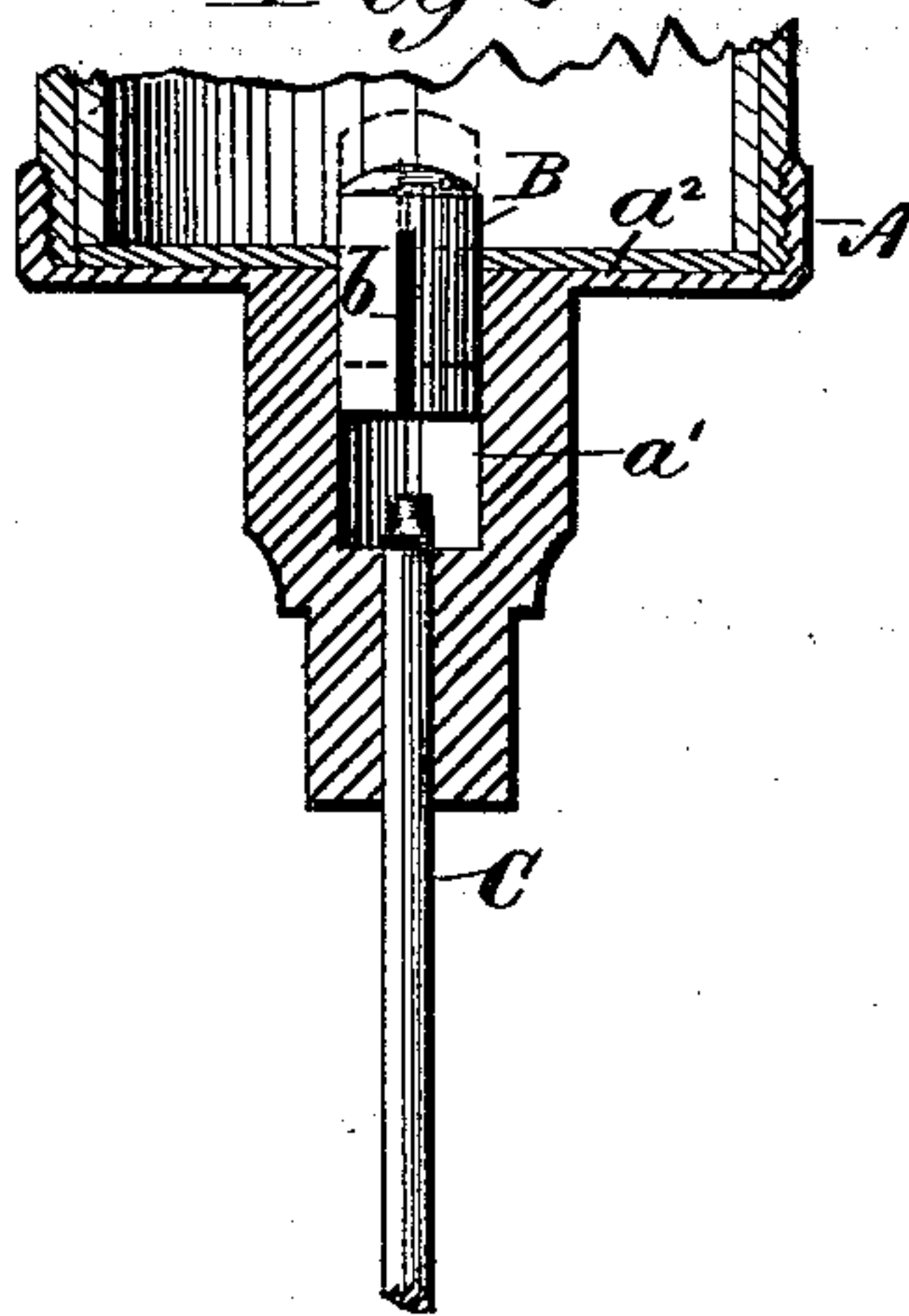


Fig 8.



Witnesses ;
 Harry B. Clark.
 Samie Stallings.

Inventor
 Wm T. Garrett.
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 His Attys.

UNITED STATES PATENT OFFICE.

WILLIAM T. GARRATT, OF SAN FRANCISCO, CALIFORNIA.

IMPROVEMENT IN OIL-CUPS.

Specification forming part of Letters Patent No. 185,315, dated December 12, 1876; application filed October 6, 1876.

To all whom it may concern:

Be it known that I, WILLIAM T. GARRATT, of San Francisco, county of San Francisco and State of California, have invented a new and useful Improvement in Oil-Cups; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

This invention consists, mainly, in the employment, in connection with an oil-cup of any suitable construction, having its discharge-opening located at the bottom of the cup, of an adjustable thimble adapted to control the supply of oil to the discharge-opening, and regulate its amount, as will be fully described hereinafter.

In the drawings, Figure 1 represents a side elevation of my invention; Fig. 2, a central sectional elevation of the same; Fig. 3, a sectional elevation of the adjusting-thimble and its regulating-rod detached; Fig. 4, a sectional view of the recess in which the thimble moves; Fig. 5, a perspective view of the thimble detached, and Figs. 6, 7, and 8 various views of a modification, in which the thimble is employed without the regulating-rod.

To enable others skilled in the art to make and use my invention, I will now proceed to describe fully its construction and manner of operation.

A represents the bottom or base portion of the cup, provided with the hollow stem or foot *a*, adapted to be screwed into the box or bearing over the part to be lubricated, in the usual well-known manner. *a*¹ represents a recess of proper size formed in the foot below the surface *a*² of the base portion, as shown. B represents a thimble adapted in diameter to snugly fit the recess *a*¹, as shown, which is provided with slots *b b*, or other equivalent means for permitting the discharge of the oil, and also, if desired, with a regulating-rod, *b*¹, which may have a threaded end, *b*², as shown. By adjusting the thimble vertically in its recess, the area of the delivery-openings may be enlarged or diminished, as may be desired. C, Figs. 6, 7, and 8, represents a conducting-wire, which may be employed, if desired, in the ordinary manner in connection with the thimble. D represents the oil-vessel of any proper construction, but preferably consisting of a hollow glass cylin-

der, open at its ends, as shown, which is made tight when in place by rubber, cork, or other proper packing-rings. E represents a metal case of any proper construction secured to the base portion in any proper manner, which is employed for the double purpose of uniting the parts together and protecting the glass. F represents a cap, which is secured to the upper edge of the case E in any proper manner, and is provided with the removable filling-plug *f*, as shown. G represents a nut, by means of which the regulating-rod *b*¹ may be held in any desired position.

The operation will be readily understood. The oil-cup, of course, is used in the ordinary manner, but the amount delivered in a given time is determined by the position of the adjustable thimble. If this be raised, the area of the delivery-opening is, of course, enlarged, and the amount of oil discharged in a given time is necessarily increased. If this be depressed the area of the delivery-opening is diminished, and the amount discharged decreased. The thimble itself may be adjusted either by the regulating-rod *b*¹ or by any other suitable means if this rod is not employed.

By means of the construction described an exceedingly simple and yet effective regulating device is obtained.

I do not limit myself to any special construction of oil-cup. If desired, of course a glass vessel may be employed without a metal protecting-case.

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

1. In a lubricator, substantially as described, a thimble, B, having the vertical slots, as and for the purpose set forth.

2. In combination with the rod *b*¹, having the thimble B, and threaded end *b*², the nut G, for holding the rod in any desired position, as described.

3. The lubricator described, having the recess *a*¹, thimble B, with vertical slots *b*, regulating-rod *b*¹, and nut G, combined substantially as and for the purpose described.

This specification signed and witnessed this 23d day of September, 1876.

WILLIAM T. GARRATT.

Witnesses:

WILLIAM HARNEY,
H. J. HOLMES.