

J. GIBBS.
Wick Raiser.

No. 84,623.

Patented Dec. 1, 1868.

Fig. 1.

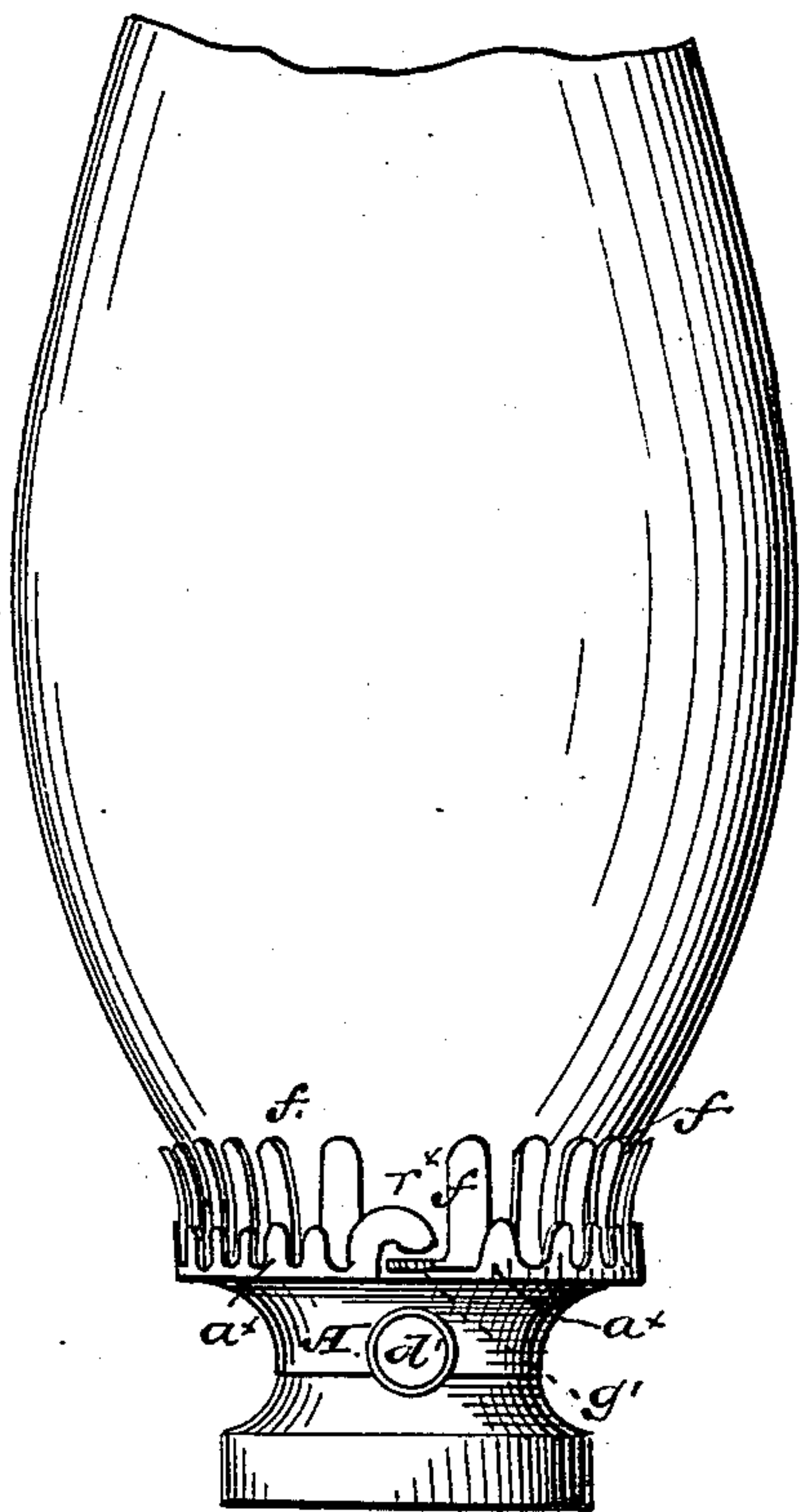


Fig. 2.

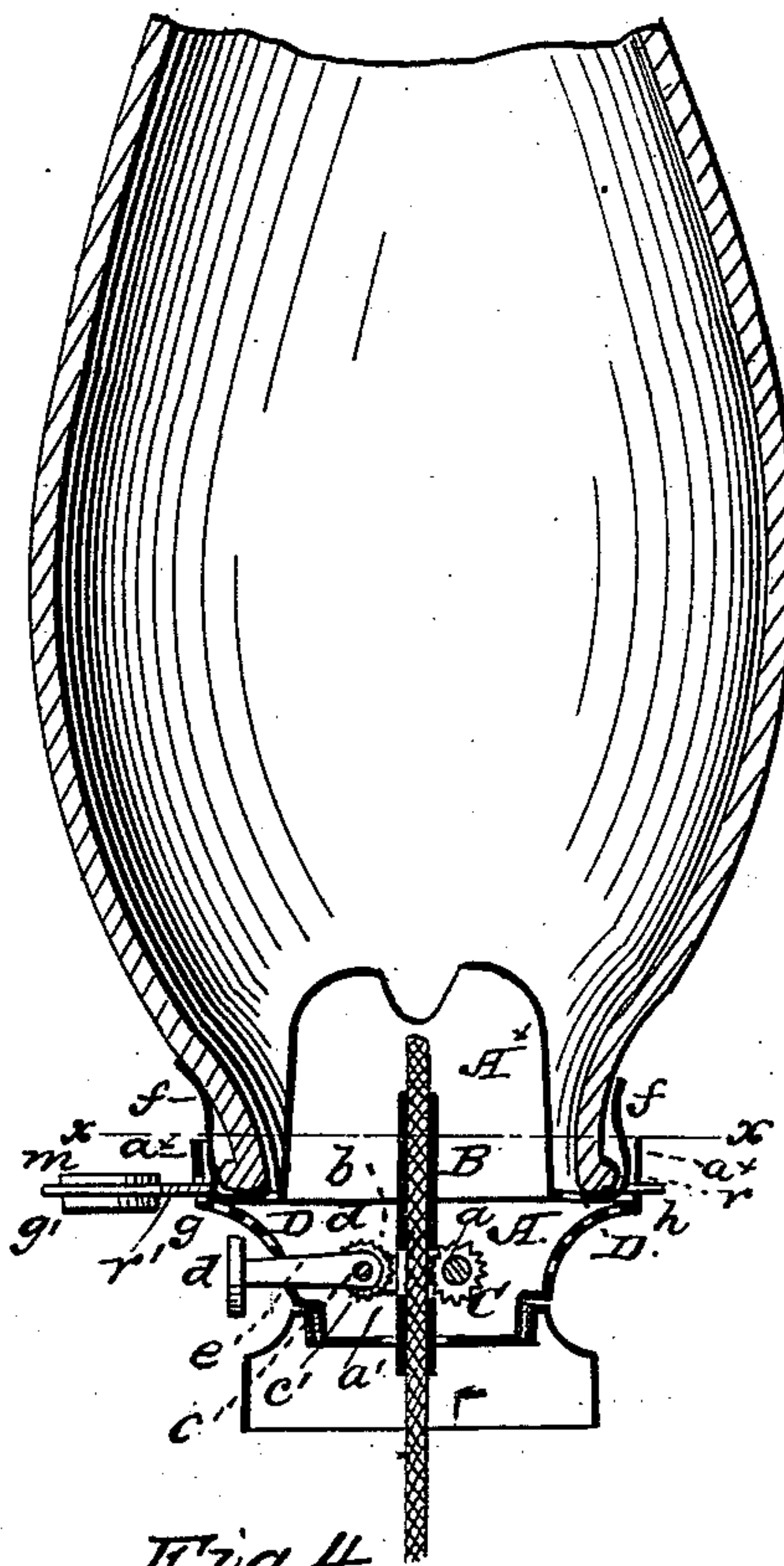


Fig. 3.

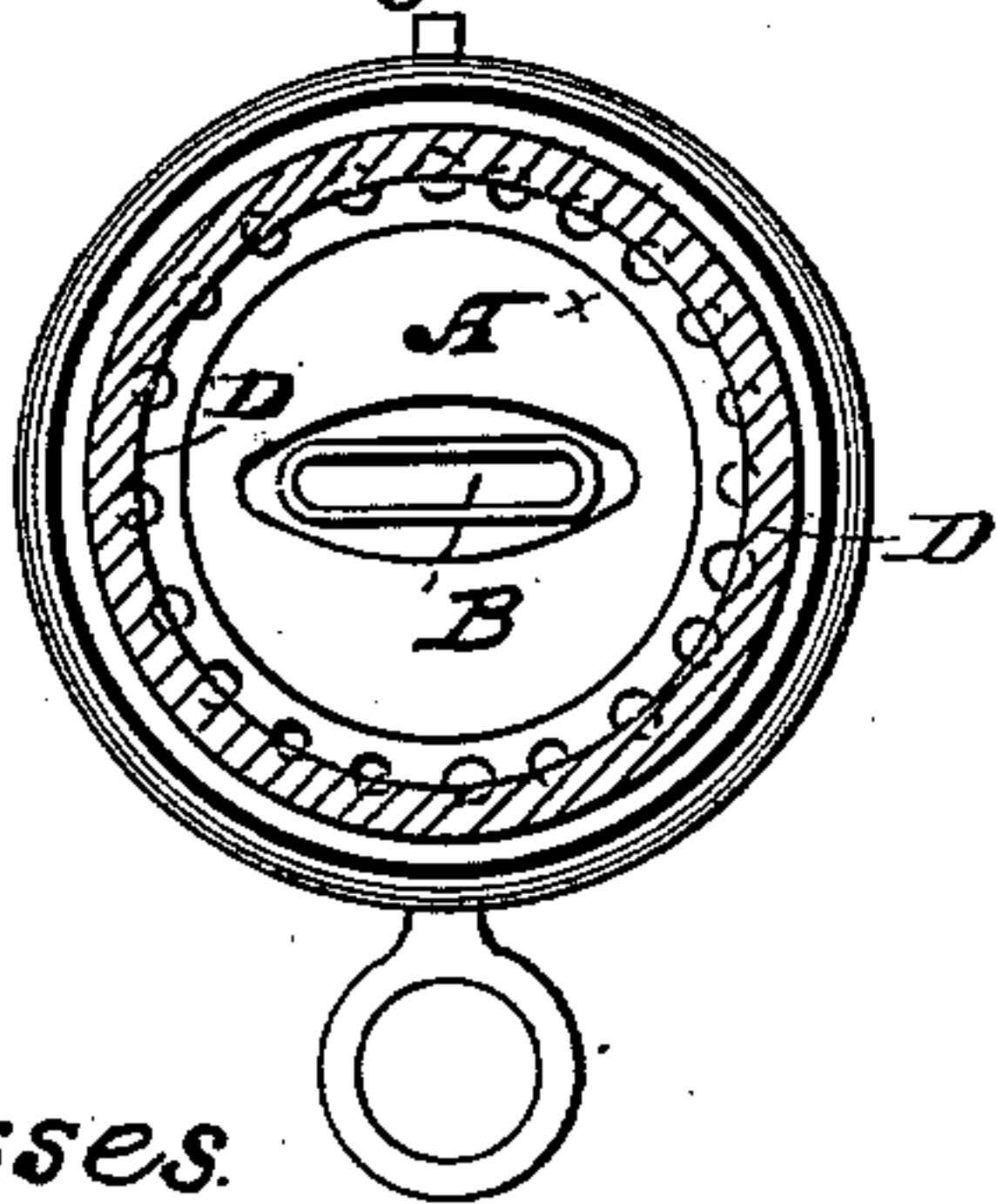
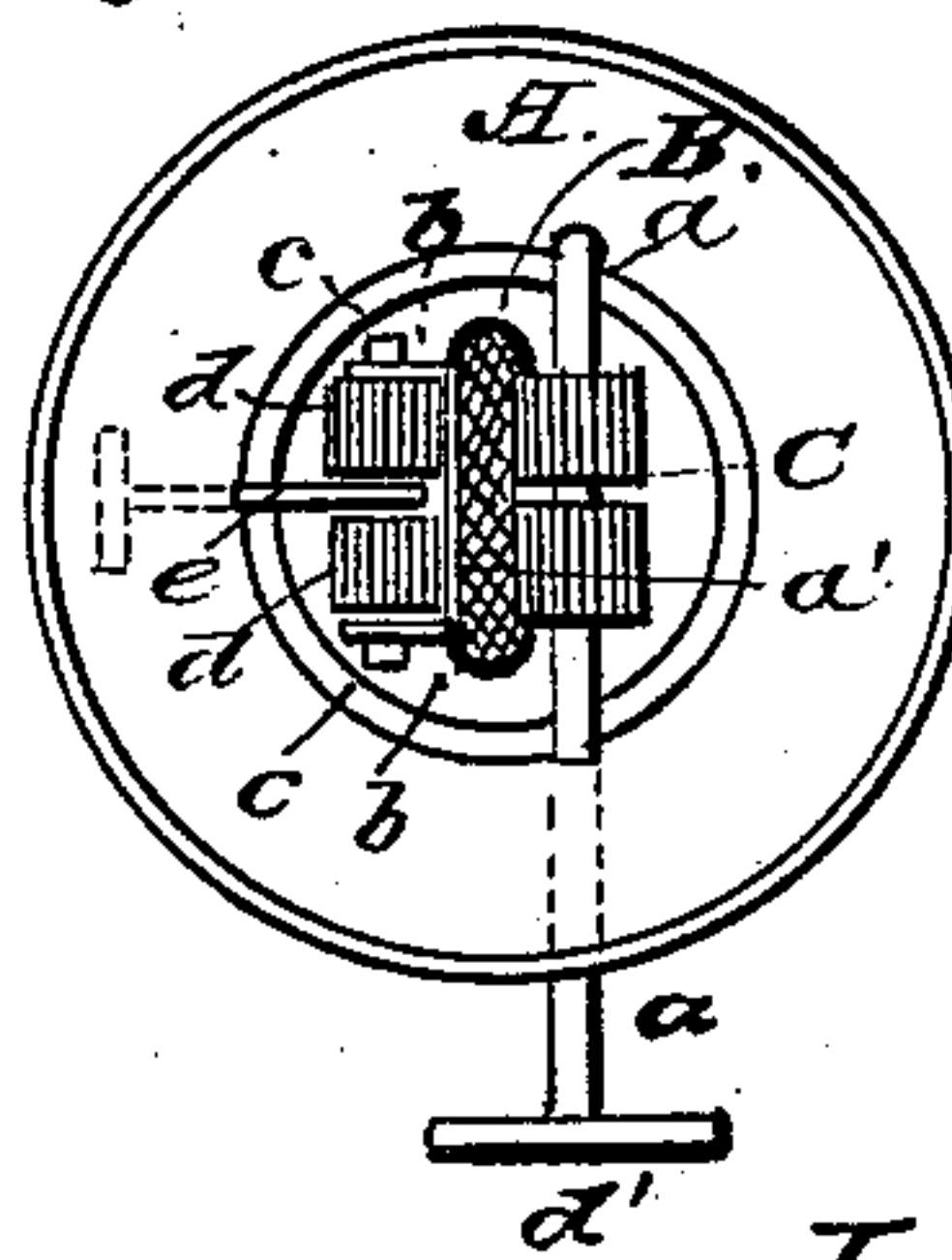


Fig. 4.



Witnesses.

McCombs
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JOHN GIBBS, OF BROOKLYN, E. D., NEW YORK.

Letters Patent No. 84,623, dated December 1, 1868.

IMPROVEMENT IN LAMPS.

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

To all whom it may concern:

Be it known that I, JOHN GIBBS, of Brooklyn, E. D., in the county of Kings, and State of New York, have invented certain new and useful Improvements in Lamp-Burners; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a portion of this specification, in which—

Figure 1 is a side view of a lamp-burner constructed according to my invention.

Figure 2 is a vertical transverse section of the same.

Figure 3 is a horizontal section of the same, taken in the line *x x* of fig. 2.

Figure 4 is a plan view of one portion of the same.

Similar letters of reference indicate corresponding parts in all the figures.

This invention consists in a movable roller, furnished with an operating sliding stem, and so combined with the wick-tube, and the feed-roller of the same, as to materially facilitate the operation of raising or lowering the wick in the wick-tube, as circumstances may require.

To enable others to understand the nature and construction of my invention, I will proceed to describe it with reference to the drawings.

A represents the main portion of the burner furnished with the wick-tube B, the feed-roller C of which works through a slot in one side thereof, as shown in figs. 2 and 4, and has its horizontal stem or shaft *a* projecting out from one side of the burner, in the usual or any suitable manner.

Formed in that side of the wick-tube opposite that at which the feed-roller C is situated, is a transverse slot, *a'*, at each end of which there extends outwards

from the wick-tube a lug, *b*, in which is formed an oblong slot, *c'*.

These slots in the lugs *b* receive the ends of a shaft, *c*, on which are placed rollers *d*, preferably two in number, and have attached thereto one end of a horizontal stem, *e*, which extends out through a suitable hole in one side of the portion, A, of the burner, as shown more fully in fig. 2, and is furnished at its outer end with a knob, *d'*. By pressing inward this stem, the rollers *d* are pressed inward through the slot *a'* in the wick-tube, and against the wick, shown in red outline in figs. 2 and 4, with any desired degree of force, whereupon the shaft *a* of the feed-roller being turned in one direction or the other, will be enabled to act with very great efficiency upon the wick, to lower or raise the same, as the case may be.

It will be noticed that when not pressed inward, as just set forth, the presser-rollers *d* exert no action upon the wick, so that the upward flow of the oil in the wick is not interfered with by the compression of the same by the feed-roller, as in the burners in ordinary use.

I do not claim the pressure-roller, arranged as described, when the same is controlled and operated by a screw; but

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

The pressure-roller or rollers *d*, supported in slots *c'*, when operated by the sliding stem *e*, in combination with the feed-roller C, substantially as shown and described.

Witnesses:

A. LE CLERC,
J. W. COOMBS.

JOHN GIBBS.