

L. MICHAELS.
Lamps.

No. 136,849.

Patented March 18, 1873.

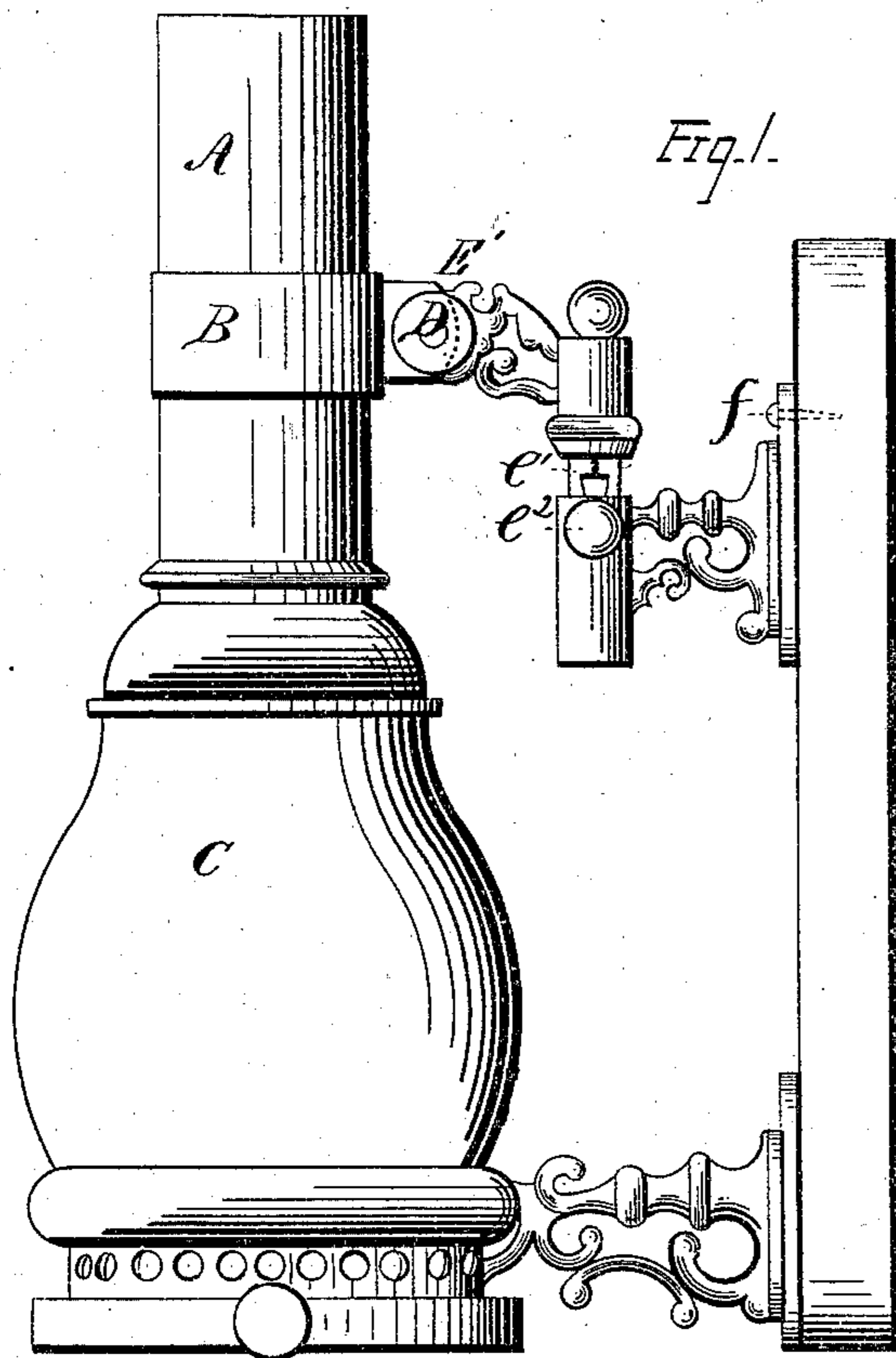
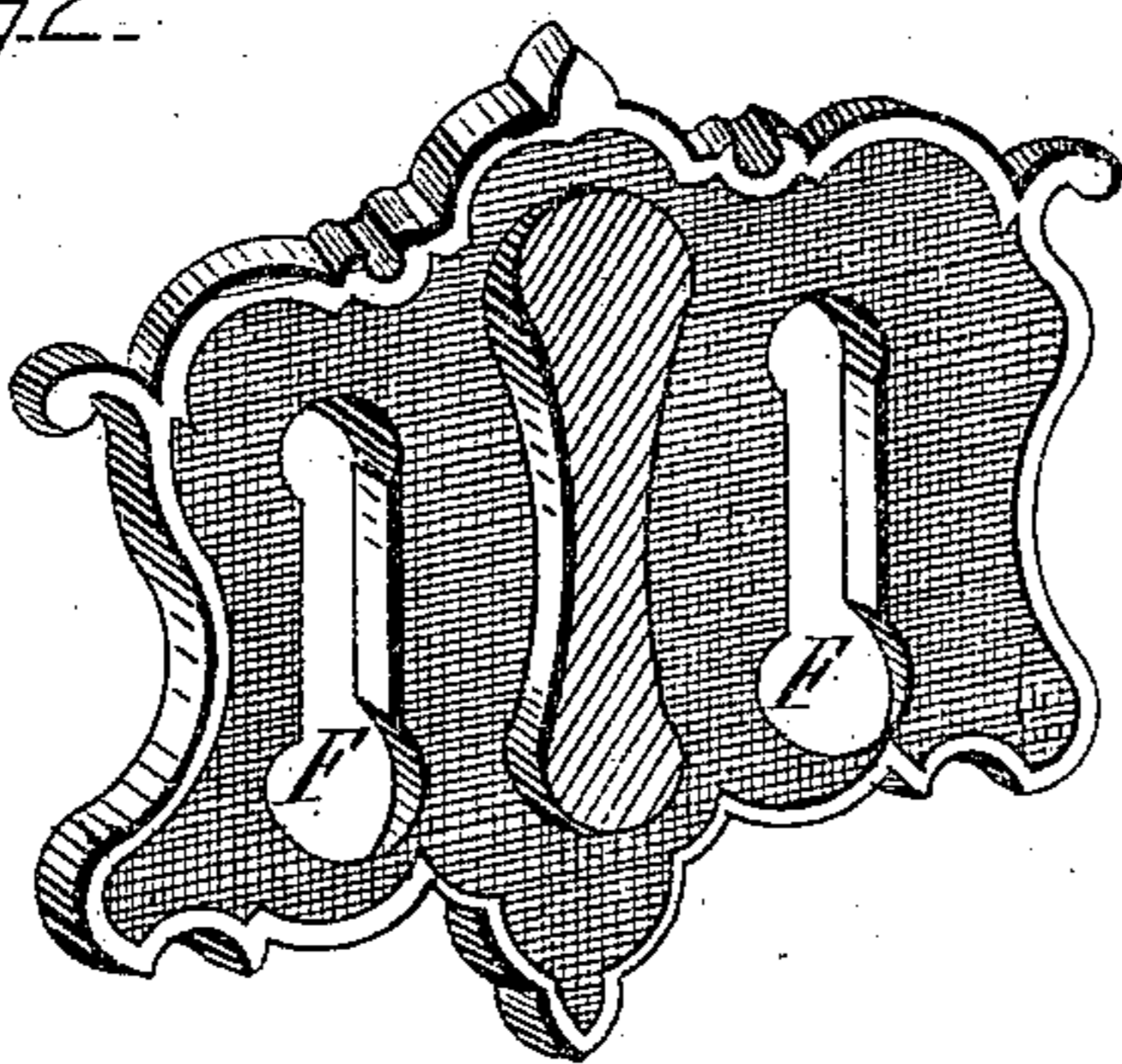


Fig. 2.



WITNESSES

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Fig. 1.

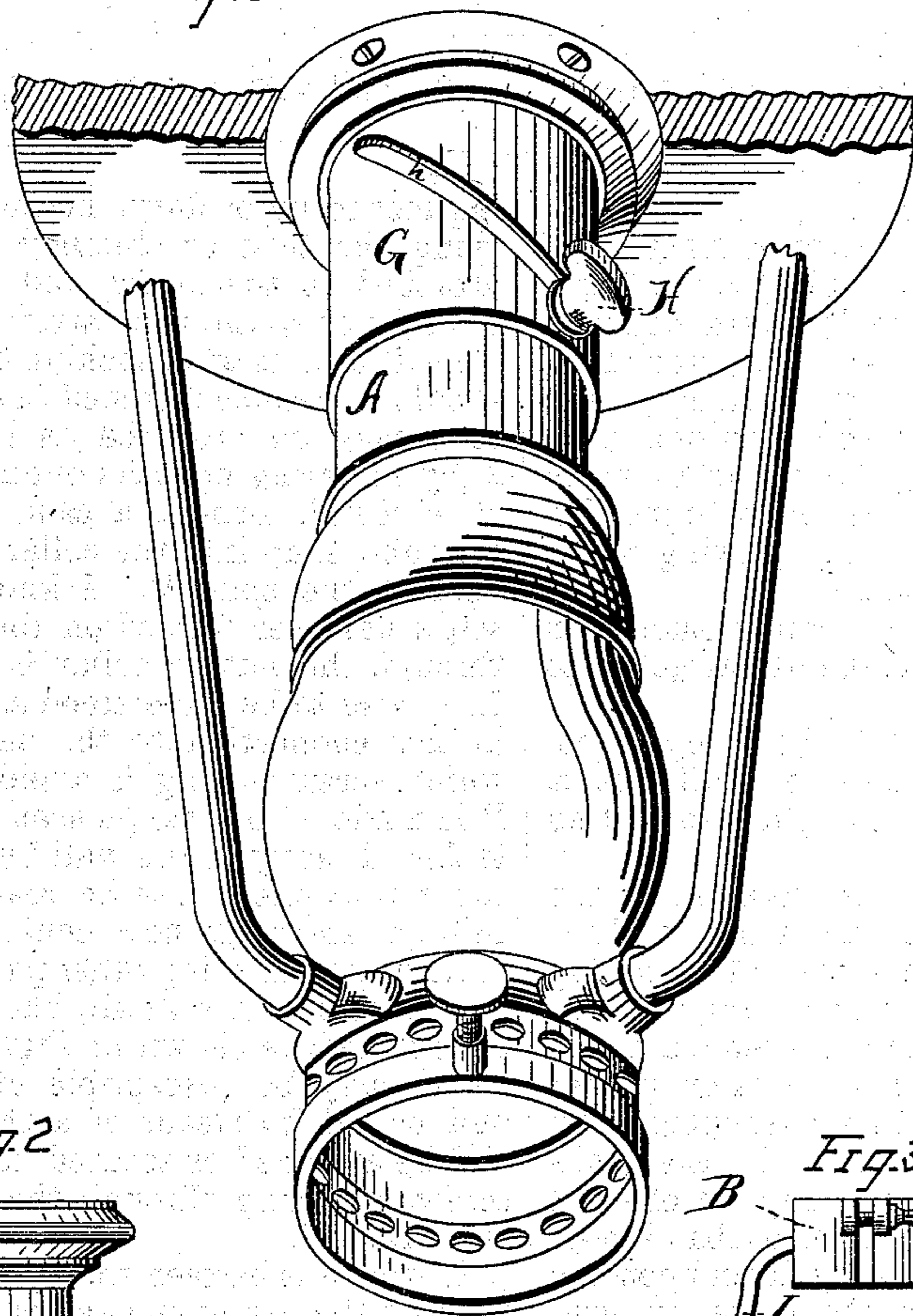


Fig. 2.

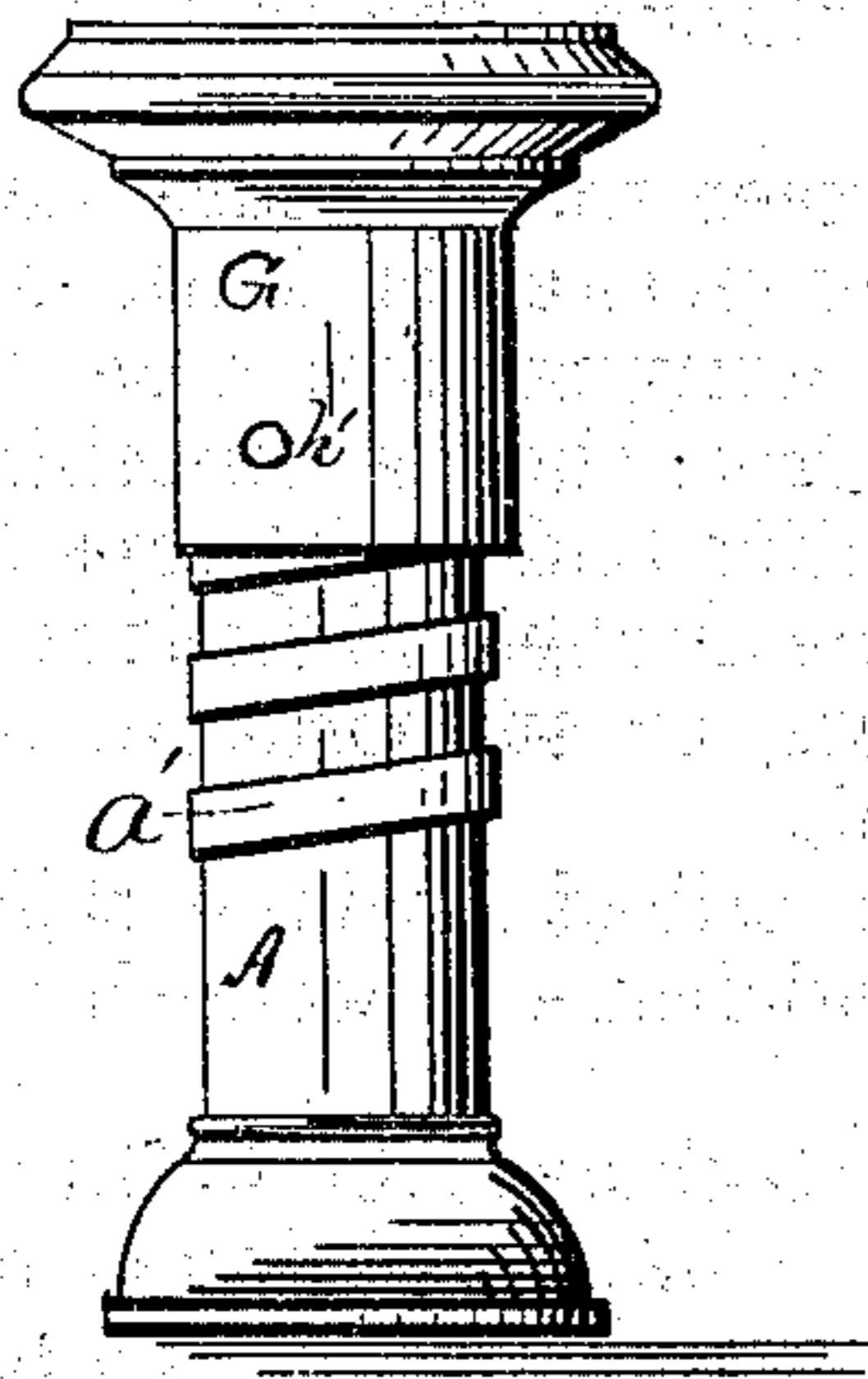
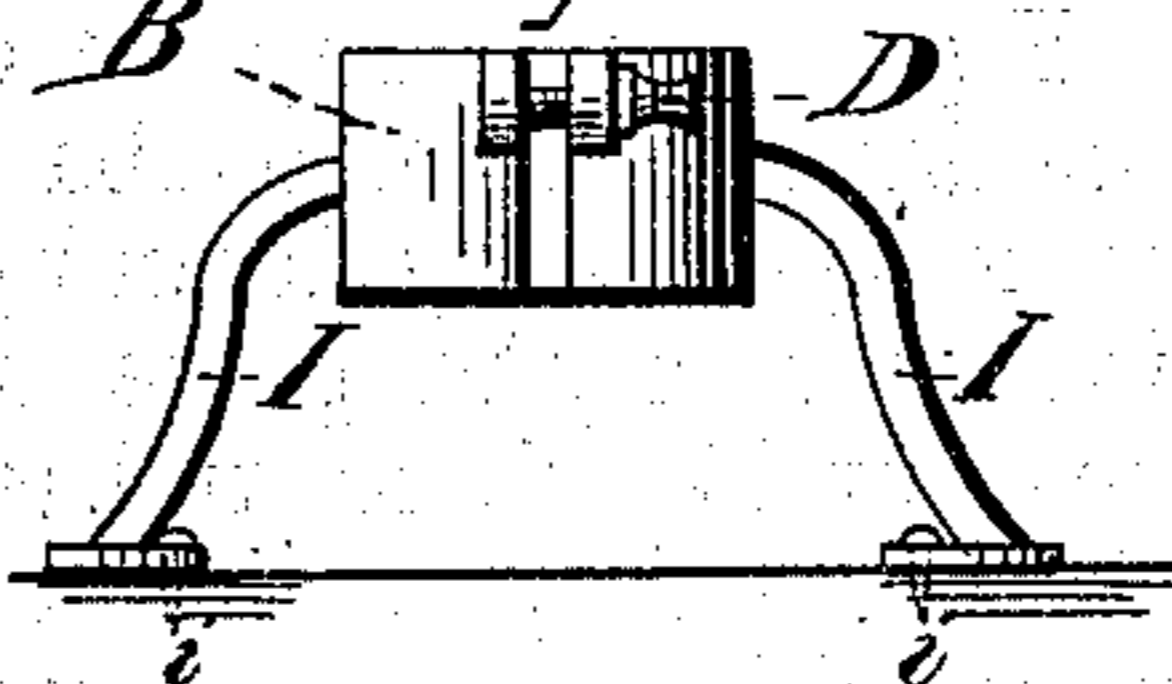


Fig. 3.



WITNESSES

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UNITED STATES PATENT OFFICE.

LEWIS MICHAELS, OF COVINGTON, KENTUCKY.

IMPROVEMENT IN LAMPS.

Specification forming part of Letters Patent No. 136,849, dated March 18, 1873.

To all whom it may concern:

Be it known that I, LEWIS MICHAELS, of Covington, in the county of Kenton and State of Kentucky, have invented certain new and useful Improvements in Lamps; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawing which forms part of this specification.

My invention relates to improvements in lamps, such as are permanently attached to walls and ceilings.

In the drawing, Sheet 1 shows my invention as applied to side lamps or wall-lamps. Sheet 2 shows the same as applied to ceiling or center lamps.

My invention consists in forming a top brace or bracket so as to permit the cap-tube A to be raised for the purpose of removing the glass or globe without removing the said bracket from its place, and is intended to be applied to lamps in which the lamp proper and the chimneys or tubes are supported by separate brackets or braces. In the wall-lamp, Sheet 1, Fig. 1, this may be effected either by embracing the tube A in a band-loop, B, and, after bringing the tube down upon the globe C, securing it firmly in place by turning the thumb-screw D, which tightens the band-loop about the tube; or the tube may be attached immovably to the portion E' of the brace, and the latter be provided with a shank, e', which fits into and slides freely within a counter socket. When the globe C has been placed in position and the tube brought down upon it the latter will be secured by simply turning the clamp-screw e''; or the whole brace may be a single piece extending from the wall to the tube and fastened permanently to the latter, but admitting of being raised or lowered by means of the slots F by loosening the screws f by which it is secured to the wall.

The same mechanism will not answer for the ceiling or center lamps, but the same principle is involved. I make the tube to be raised or depressed by sliding within the tube G and securing it firmly when in position. Fig. 1, Sheet 2, shows a thumb-screw, H, which, being slightly loosened, admits of be-

ing moved up or down in the slot h and carrying the tube or chimney with it, it being attached to the latter, and the slot may be straight or spiral, the latter being preferred, since it admits of wrenching the tube slightly should it become fastened in the tube G. The tube may be prepared as in Fig. 2, Sheet 2, by soldering upon its outer surface a strip, a', of metal, forming a cam, which will draw the tube A up into the collar G as it is turned against the spud h'. I know that a male screw has been formed on the tube to screw through the nut or collar G or B; I, therefore, wish to be understood as limiting myself in this connection to the device shown, by which screw-cutting is avoided. The collar B is made with a flange seat so as to be attached directly to the wall by screws, so that the improvement may be readily attached to ceiling-lamps, as now constructed, without removing or altering other parts. Where the tube G is not used at all, but a simple collar substituted, as shown in Fig. 3, Plate 2, this collar may be susceptible of being opened and closed by means of a thumb-screw, D, and be attached or secured to the ceiling by screws i passing through the feet of the lateral braces I.

It will thus be seen that I secure the globes without the use of plaster of Paris or other stucco, and can readily remove them without taking the frame from the wall or ceiling, and that to both ceiling and wall lamps the improvement may be applied without renewing the lamp-brackets, or supports, or altering the parts retained.

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

The cap-tube attachment for wall and ceiling lamps, when constructed independently of other mechanism, substantially as set forth and shown, whereby the cap-tube may be raised or lowered and secured in any desired position.

In testimony that I claim the foregoing I have hereunto set my hand and seal this 2d day of January, 1873.

LEWIS MICHAELS. [L. S.]

Witnesses:

E. P. BRADSTREET,
AUG. DRAHMANN.