

E. L. Ferguson.
Lamp-Bracket.
N^o 75256
Patented Mar. 10, 1868.

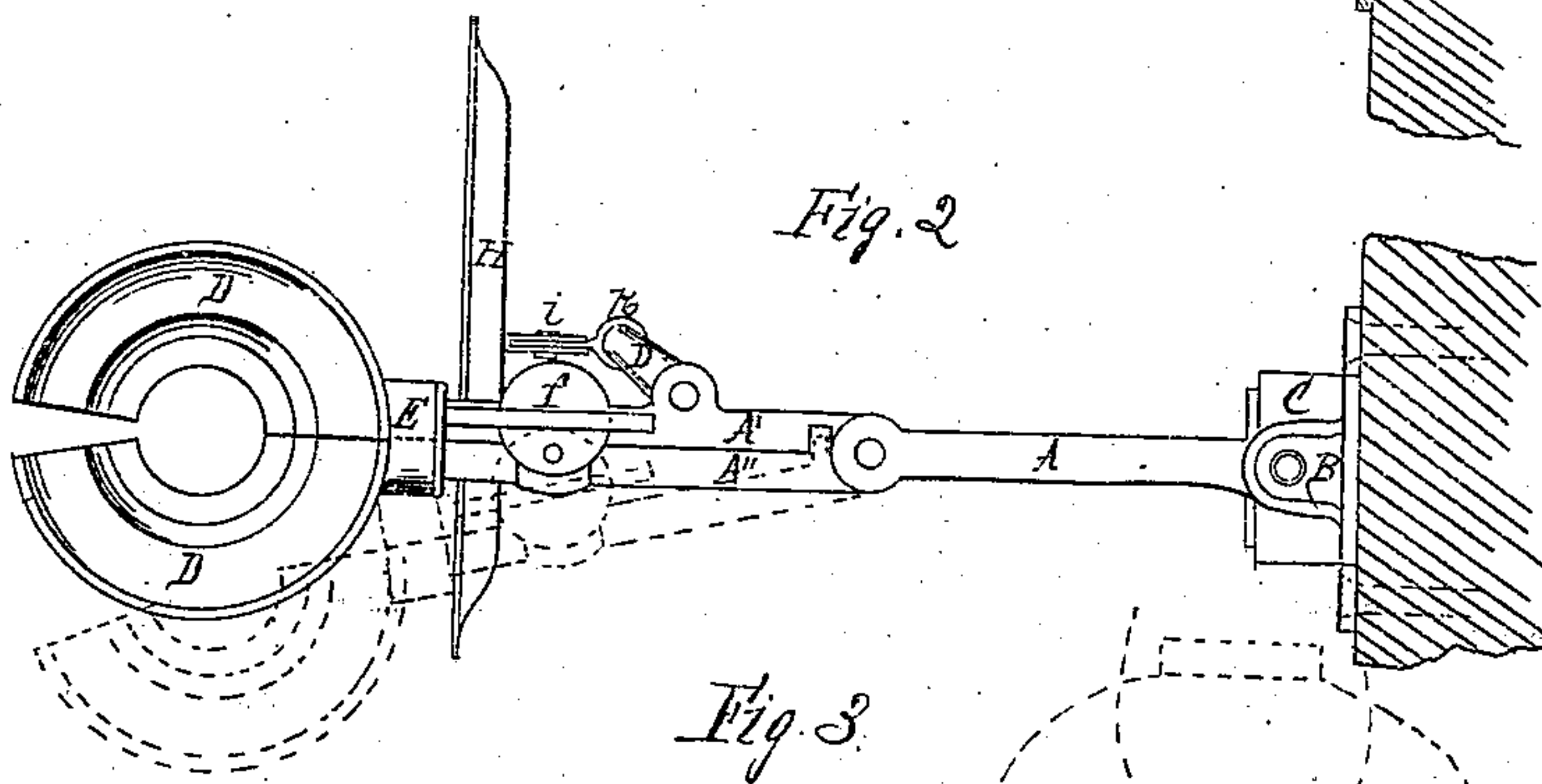
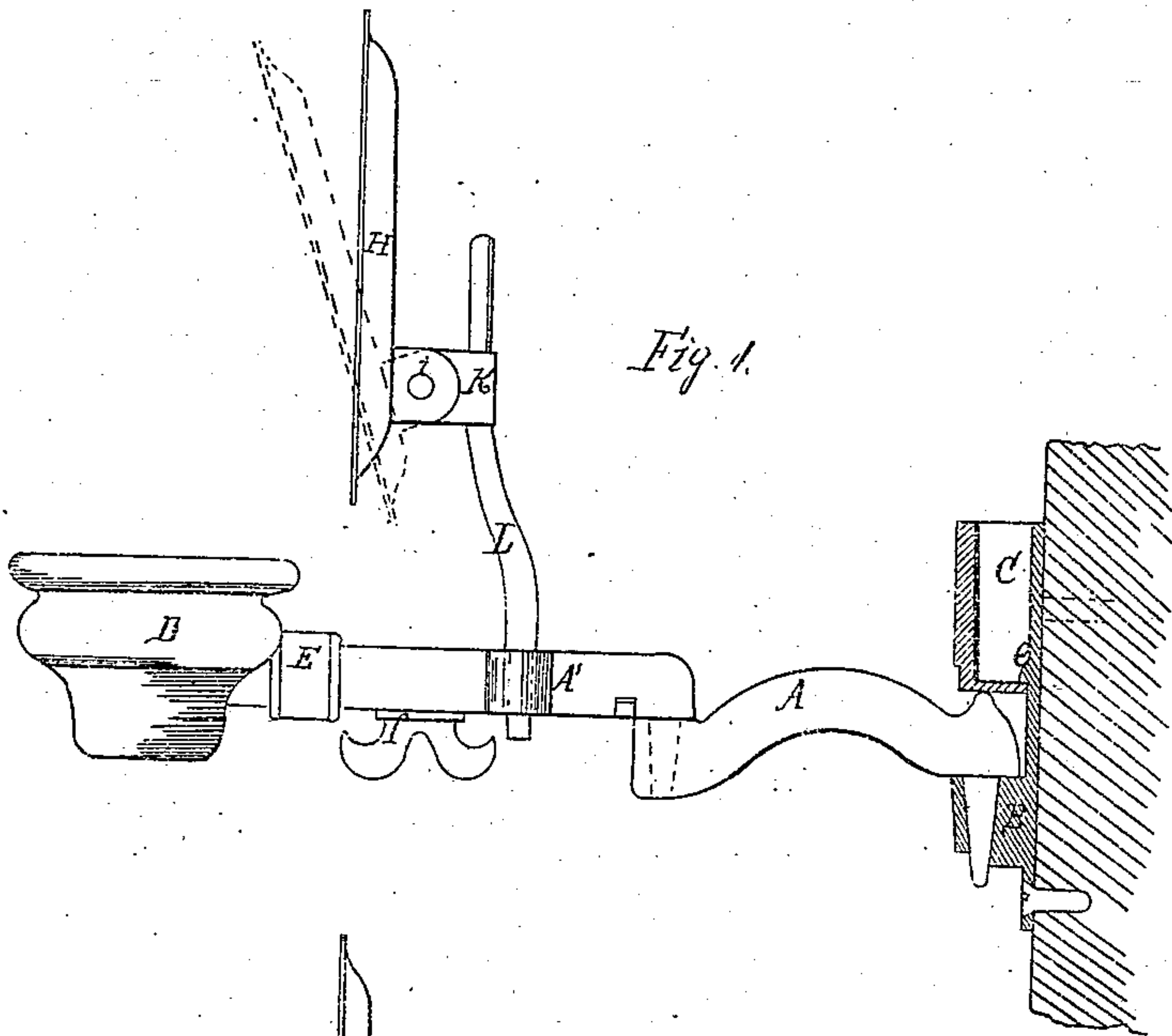
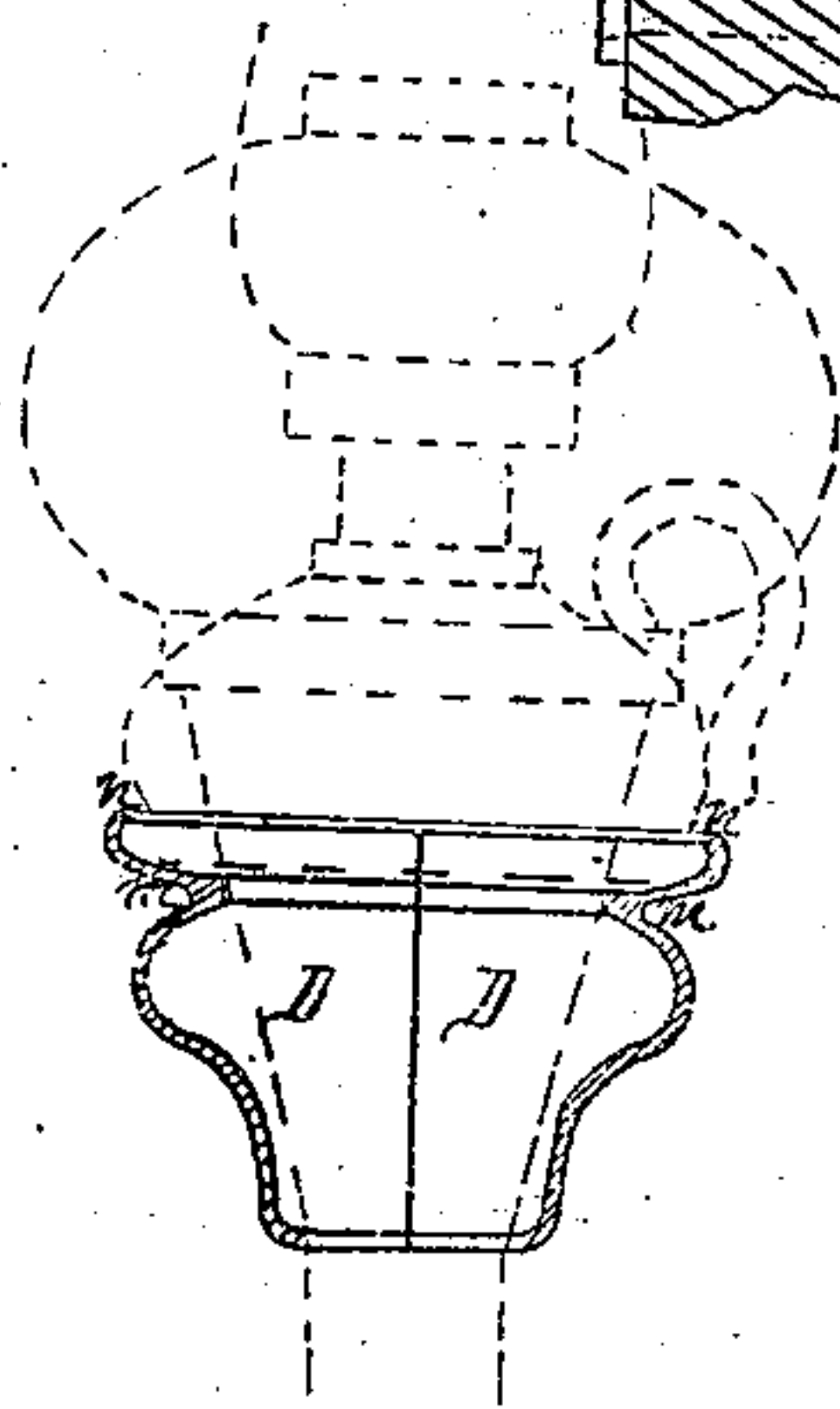


Fig. 3.



Witnesses.
Edward Wilhelm
W. Becker

Inventor
E. L. Ferguson
by F. W. Bush & Hayatt Attys.

United States Patent Office.

E. L. FERGUSON, OF BUFFALO, NEW YORK, ASSIGNOR TO HIMSELF AND CHARLES B. CLARK, OF SAME PLACE.

Letters Patent No. 75,256, dated March 10, 1868.

IMPROVEMENT IN LAMP-BRACKETS.

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, E. L. FERGUSON, of the city of Buffalo, in the county of Erie, and State of New York, have invented a new and improved Adjustable Lamp-Bracket; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, making part of this specification, in which—

Figure I is a side elevation of my improved bracket, with the match-safe shown in section.

Figure II is a plan view of the same inverted.

Figure III is a vertical section of the clamp, in plane of line *z z*, Fig. I.

Like letters of reference designate corresponding parts in all the figures.

My invention consists of the following elements: first, of two jointed arms, with suitably-formed jaws at their ends for grasping and holding lamps of different sizes; second, the rubber ring, in combination therewith for clamping said jaws together; third, the combination of a cam, or equivalent, with the jointed arms, and spring for pressing said jaws and arms together, for inserting or removing a lamp; fourth, the peculiar construction of the clamp for readily holding different-formed lamps and fountains; fifth, hinging the reflector in the manner and for the purpose shown; sixth, the bent movable standard for supporting and rendering the reflector adjustable, in combination therewith; seventh, the construction and arrangement of the cast portion, employed to retain the arm of the bracket in its socket, while it, at the same time, forms a suitable match-safe; all as hereinafter more fully set forth.

As represented in the drawings, A is the arm of the bracket, B the portion or plate for screwing to the wall, and to which the arm is hinged by a pivot-pin formed at its end, and fitting in a socket or knuckle in the portion B in the ordinary manner. C is a casting formed of a bottom and three sides, and ears on each side for screws, by which it is secured to the wall in the position shown, so that its lower end will project over the end of the bracket-arm, and prevent it from being accidentally unhinged. It also serves to secure the upper end of the plate B, which forms the back of the safe, to the wall. This plate may be formed with a lug, *e*, which projects within the safe above the bottom, and serves to more firmly couple the two parts together. The outer portion A' of the arm A is divided or provided with an arm, A'', jointed or hinged to the former so as to swing horizontally. Each of these outer arms A' A'' has at its end semicircular jaws, D D, constructed as hereinafter described, between which the lamp or fountain is clamped. E is a ring of India rubber, which is slipped on both the arms A' A'', and arranged at any suitable point, the elastic force of which draws the two together. It should be of sufficient strength to cause the jaws D to firmly clasp and securely hold the lamp when arranged therein, while its elasticity will prevent that excessive binding of the same which might result in the breaking of the one or the other from the expansion of the fountain if the fastening were of an unyielding nature. The jaws of the clamp are distended by means of a cam, *f*, pivoted at one of the arms A' A'', which, on being turned by any suitable thumb-piece, with which it is provided, forces the other apart. This enables the lamp to be readily inserted in or released from the holder, as occasion may require. The clamp may be operated and fastened together by other means than that above described, but I prefer the foregoing as the most simple and effective. H represents a reflector, hinged at *i* to a collar or sleeve, *k*, so as to permit the reflector to be inclined forward or back, (as shown in red lines, Fig. I.) The collar *k* fits so as to adjust vertically and turn on a standard, L. This standard is bent, as shown, and is sustained in a step or socket formed in the arm A', in which it is permitted to turn, in adjusting the position of the reflector.

By the means thus described, the reflector can be readily adjusted to any position which different-sized lamps and other circumstances may require. The sleeve sliding on the standard, adjusts it vertically, the hinge *i* permits the required inclination, while the bent standard, by being turned in one direction or the other, adjusts it to either side, or to or from the lamp, thereby affording a complete adjustment, that is effected by no other arrangement with which I am acquainted.

The upper portions of the jaws or clamps D are constructed with a shoulder, *m*, on which flat-bottomed

fountains or hand-lamps are designed to rest, a flange, *n*, at the upper edge of the clamp, overlapping the bottom of the fountain, and firmly and securely holding it in place, as shown by black dotted lines, Fig. III.

Lamps provided with a fountain elevated above the base, are designed to be arranged in the clamp so that the lower portion of the fountain will fit in the enlarged upper part of the jaws, while the contracted size of the bottom of the jaws is intended to grasp the neck portion of the lamp, or that connecting the fountain with the base of the lamp, thus securely retaining it in place, as represented in red dotted lines in the same figure.

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

1. The combination of the two jointed arms *A' A''*, provided with suitable jaws for holding lamps of different sizes.
2. The India-rubber ring *E*, in combination with the said arms, arranged substantially in the manner set forth.
3. The combination of the arms *A' A''*, ring *E*, and cam *f*, or equivalent, for distending the jaws of the clamp, substantially as set forth.
4. The peculiar construction of the jaws *D D*, provided with shoulder *m*, flange *n*, and contracted bottom, as shown and described, for holding lamps and fountains of different forms and sizes.
5. The peculiarly-formed casting *C*, constructed and arranged with the plate *B*, and bracket-arm *A*, so as to secure the latter in its socket, and also form a receptacle for matches, in the manner shown and described.

E. L. FERGUSON.

Witnesses:

JAY HYATT,

V. H. BECKER.