

A. M. DUBURN.

Lantern.

No. 55,839.

Patented June 26, 1866.

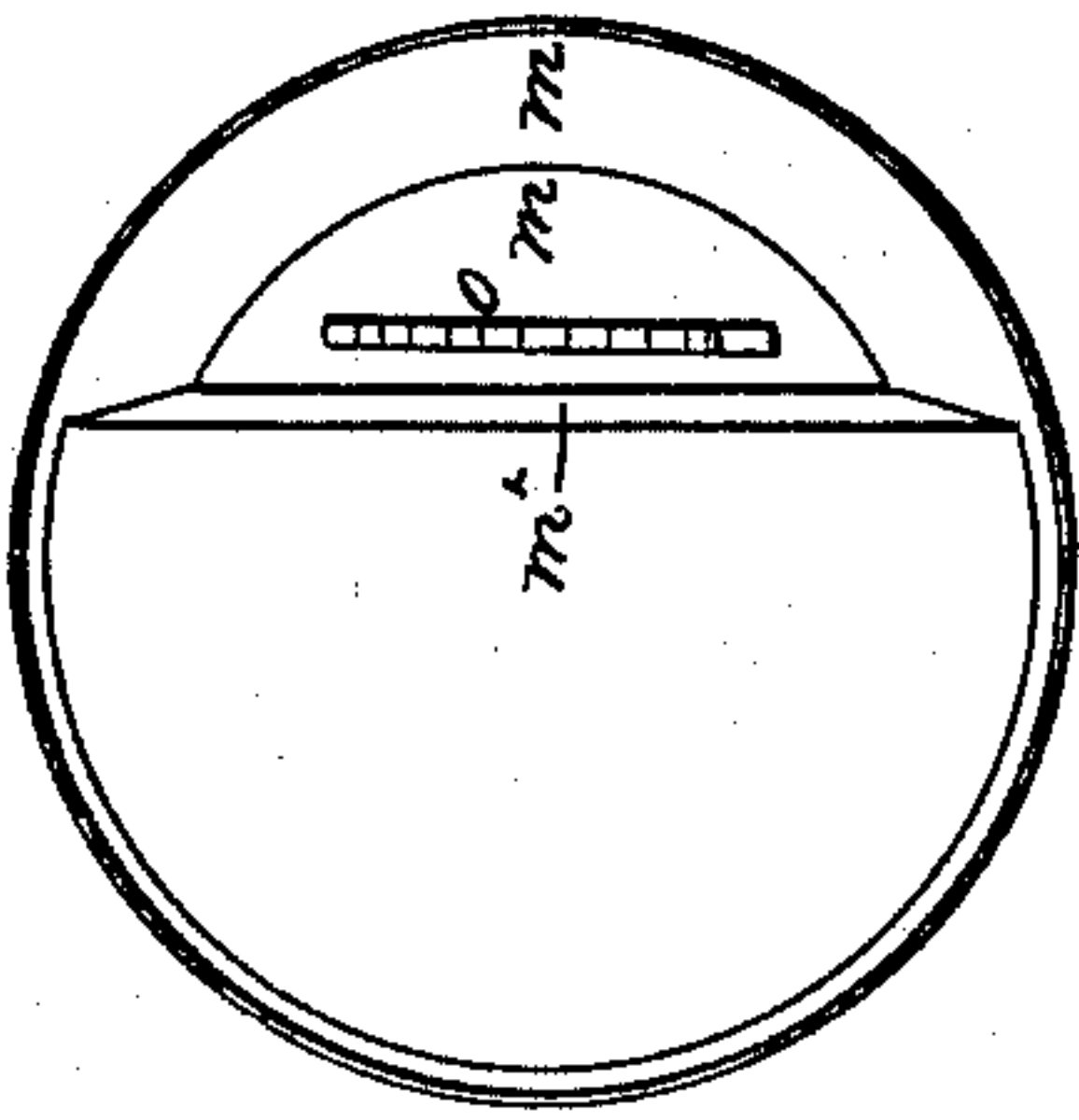


Fig. 2

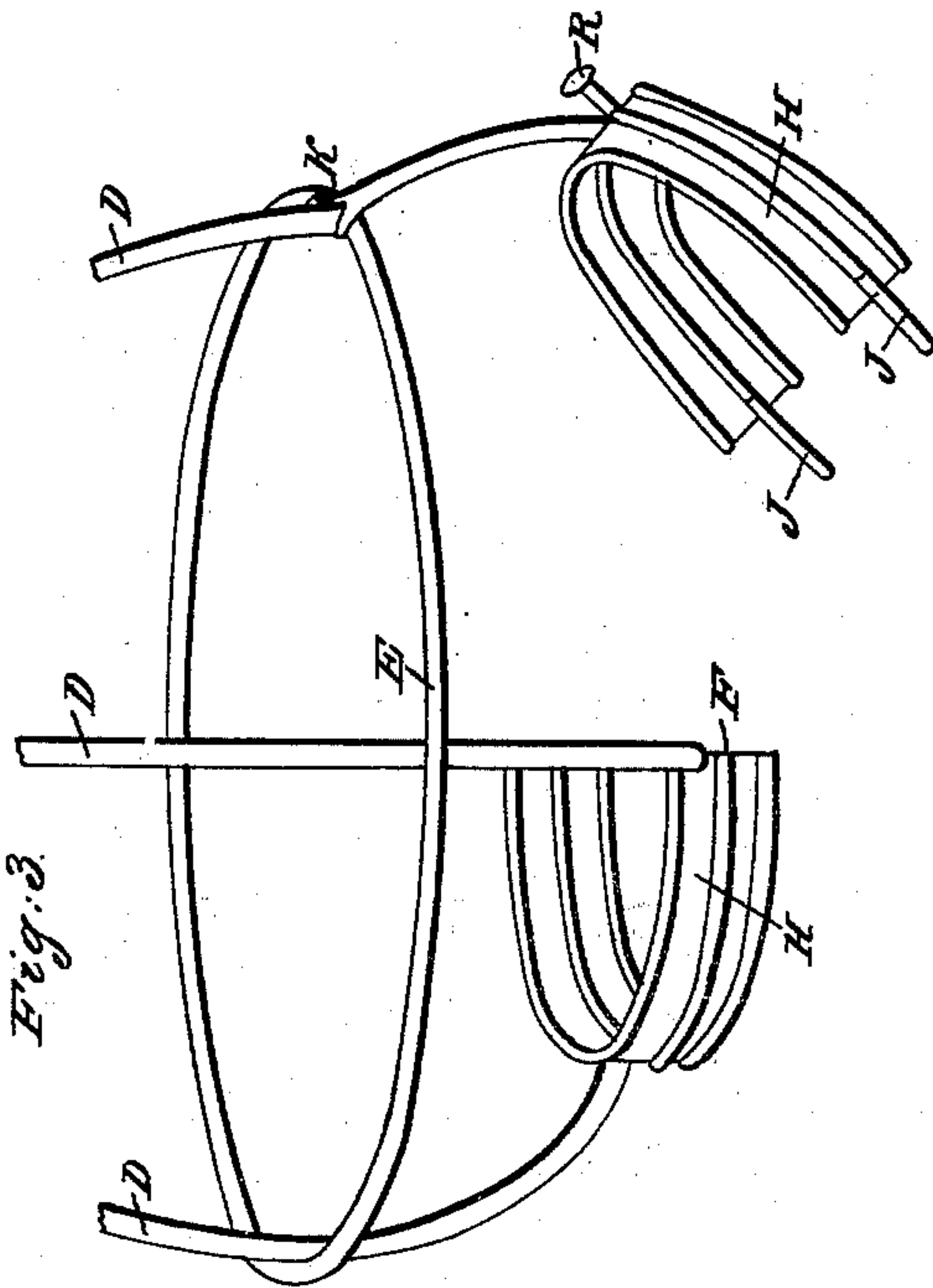


Fig. 3

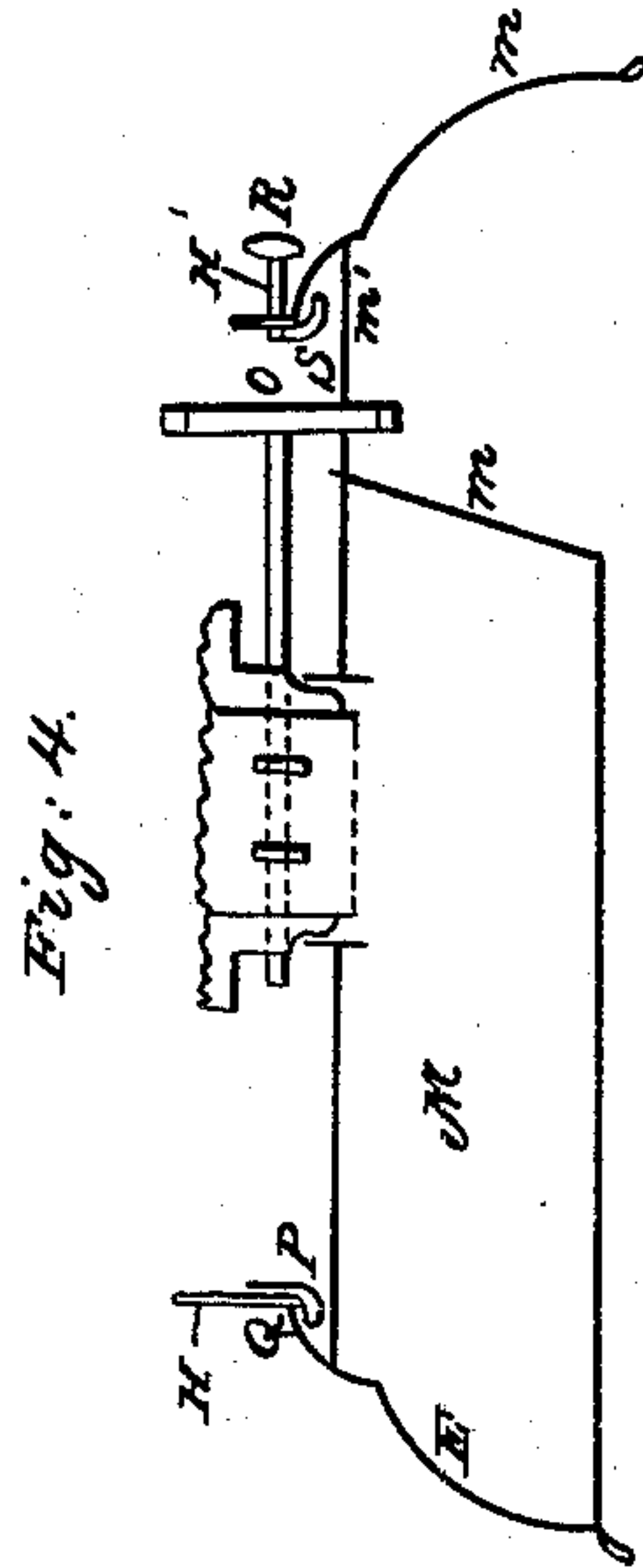


Fig. 4

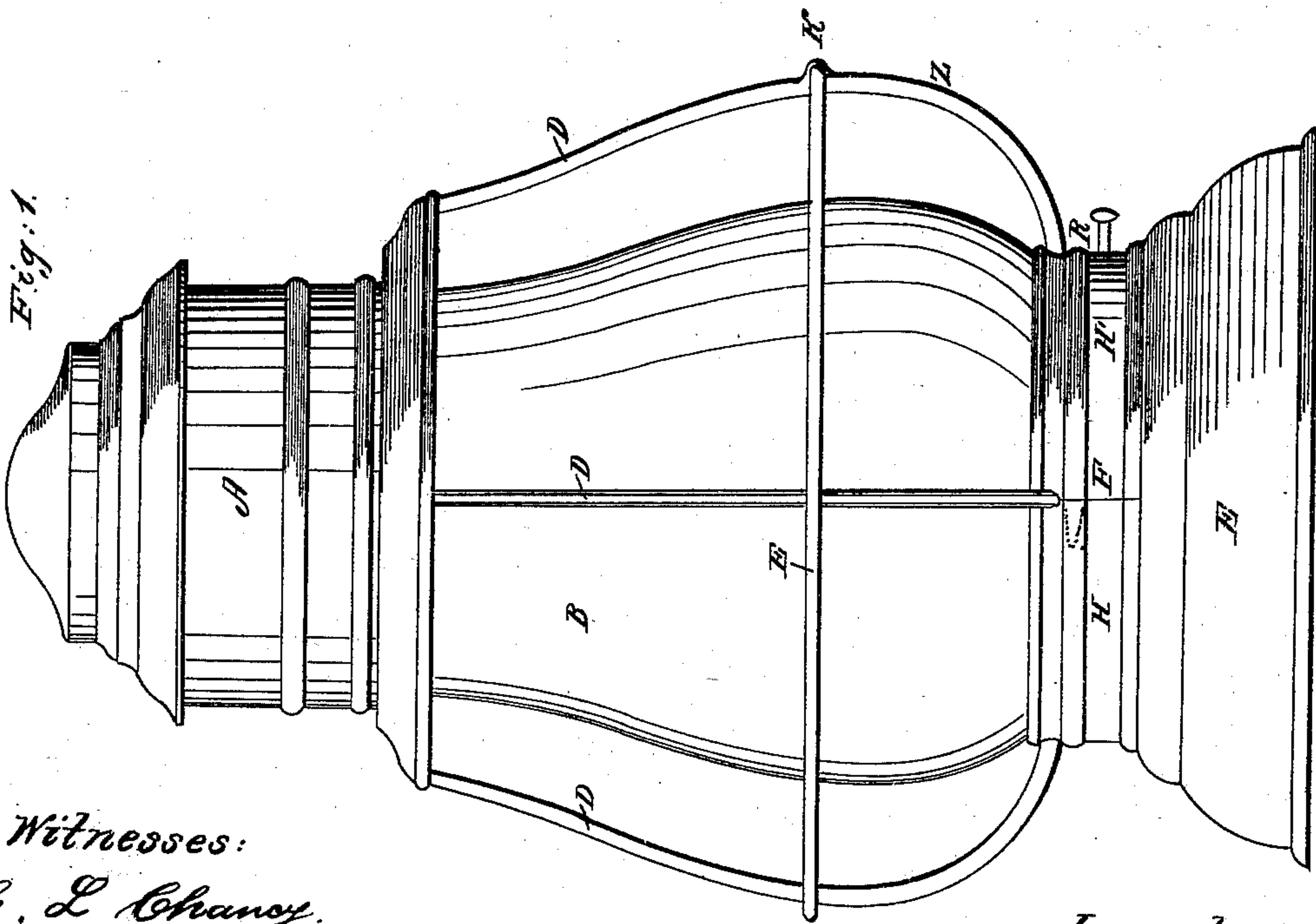


Fig. 1

Witnesses:

G. L. Chaney.
Albert Hayward.

Inventor:

A. M. Duburn.

UNITED STATES PATENT OFFICE.

A. M. DUBURN, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN LANTERNS.

Specification forming part of Letters Patent No. 55,839, dated June 26, 1866.

To all whom it may concern:

Be it known that I, A. M. DUBURN, of Chicago, in the county of Cook and State of Illinois, have invented an Improved Lantern; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and letters of reference marked thereon, in which—

Figure 1 is an elevation of my improved lantern. Fig. 2 is a view of the bottom of the lamp, showing the recess for turning the ratchet. Fig. 3 is a perspective representation of the lower part of the lamp-frame, showing the hinged part open for removing the chimney. Fig. 4 is a central sectional elevation of the bottom of the lamp, showing the manner of securing the guard-frame to the same and the recess made for operating the ratchet used for regulating the wick.

The object of my invention is to provide convenient means for securing the common lantern-chimney in the frame so that it shall not be liable to be broken by pressure, and yet so that it may be taken out at the bottom of the frame in a convenient manner; also, to provide a recess in the bottom of the lantern, by means of which the ratchet-wheel used for regulating the wick may be more conveniently operated; and, further, to arrange the various parts of the lantern necessary to accomplish this so that the cost of manufacture shall not be augmented.

To enable others skilled in the art to make and use my invention, I will describe the method of construction and operation.

A is the top, B the chimney, and D D E the guards, of the common lantern. H and H' is the lower rim, which I make in two parts. The part H is permanently secured to the guards and remains stationary. The part H' is secured to the short guard or part Z, which is joined to the guard E, by means of the hinge K, in such a manner as to allow the part H' to be opened far enough to remove the chimney B from the lamp-frame.

J shows small pieces of wire, made fast to

the ends of the part H', passing inside of the ends of the part H, and used for the purpose of holding the joint F even, as shown at Fig. 1, when the two parts are shut together.

P is the small nib or projection attached to the part H, which passes under the rim *a* and holds one side of the lamp-frame to the bottom E.

R shows the knob by means of which the catch S is made to hold the opposite side of the rim to the bottom. By this arrangement the parts H H' are held firmly in place when the lantern is adjusted for use.

M, Fig. 4, shows the space allotted for oil, and *m' m m* the recess for the convenience of operating the ratchet *o*, which passes down through an opening made in the plate *m'*. By means of this recess the ratchet can be turned in either direction more conveniently than if it projected outward from the lower rim of the lantern, and, furthermore, it is not liable to be broken.

The material used is the same in every respect as that now employed in the manufacture of lanterns.

Operation: When it is required to remove the chimney the bottom must be taken off by means of the knob and catch R S. The part H' can then be swung open, as shown at Fig. 3, and the chimney taken out at the bottom. By reversing the operation the lantern can be adjusted as shown at Fig. 1.

It will require no explanation for working the ratchet in the recess.

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

1. The part H', secured by the hinge K, when constructed as described, and used for the purpose set forth.

2. The recess *m m' m*, for the purpose set forth.

A. M. DUBURN.

Witnesses:

G. L. CHANCEY,
ALBERT HAYWARD.