

M. SHEA.
Automatic Safety-Valve and Seal-Lock for Gas-Meter.

No. 224,736.

Patented Feb. 17, 1880.

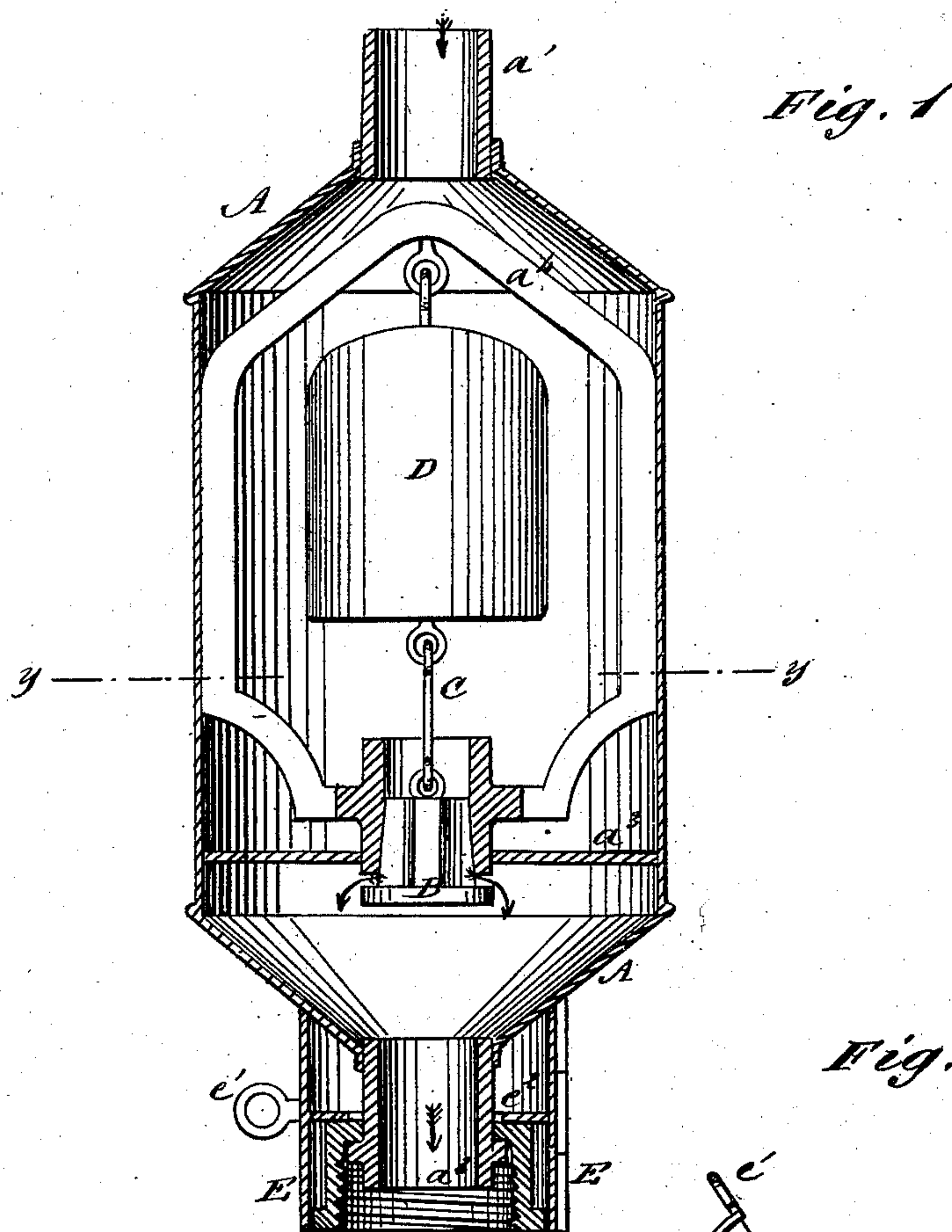


Fig. 2

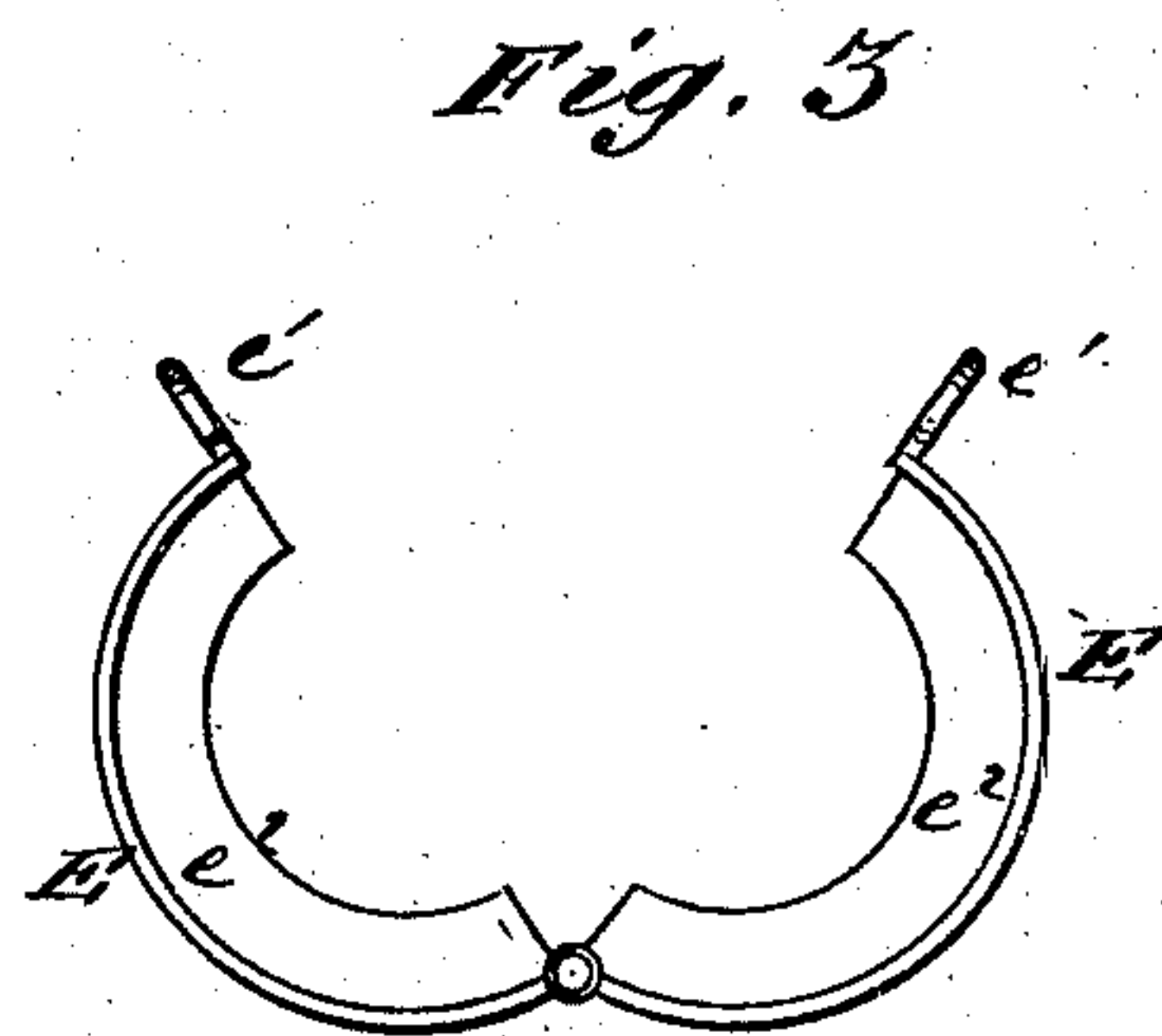
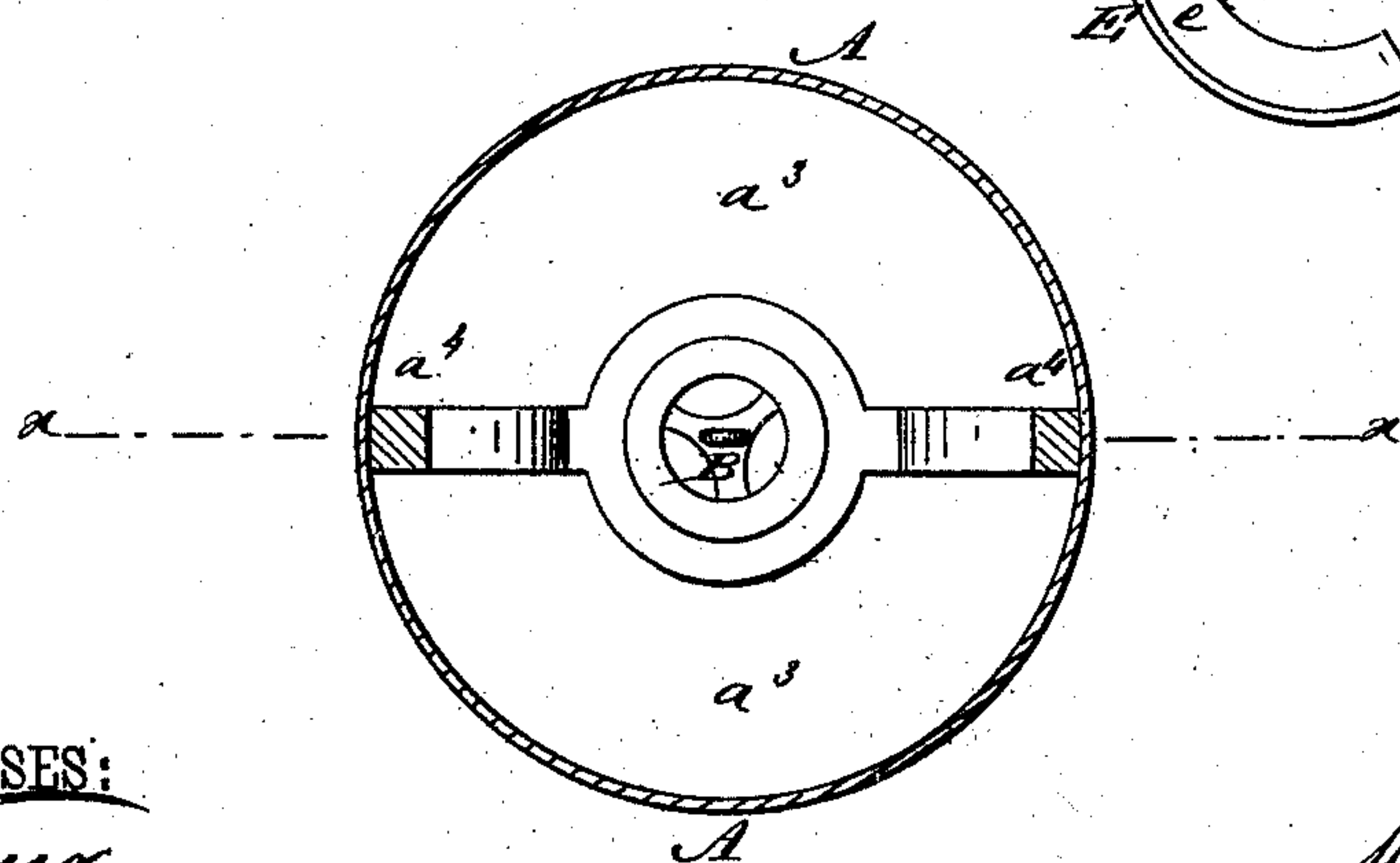


Fig. 3

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UNITED STATES PATENT OFFICE.

MORTIMER SHEA, OF NASHVILLE, TENNESSEE, ASSIGNOR TO HIMSELF AND
THOMAS F. KENDRICK, OF SAME PLACE.

AUTOMATIC SAFETY-VALVE AND SEAL-LOCK FOR GAS-METERS.

SPECIFICATION forming part of Letters Patent No. 224,736, dated February 17, 1880.

Application filed June 12, 1879.

To all whom it may concern:

Be it known that I, MORTIMER SHEA, of Nashville, in the county of Davidson and State of Tennessee, have invented a new Improvement in Automatic Safety-Valves and Seal-Locks for Gas-Meters, of which the following is a specification.

Figure 1 is a vertical longitudinal section of my improved device, taken through the line x x , Fig. 2. Fig. 2 is a cross-section of the same, taken through the line y y , Fig. 1. Fig. 3 is a detail view of the seal-lock.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved device for attachment to gas-meters, to guard against any adjustment of the meter that will cause gas to pass through without being registered, and to indicate to the inspector if there has been any attempt to tamper with the meter.

This invention consists in the combination of the case, provided with the partition and the bar or frame, the valve, the connecting-rod, and the suspended weight, with each other, to adapt the device to be attached to a gas-meter and its inlet-pipe.

A represents a cylindrical case, the upper end or inlet of which is provided with a collar, a' , to which the service-pipe is attached. The lower or outlet end of the case A is provided with a collar and a coupling, a^2 , by means of which it is attached to the meter. Across the lower part of the case A is a partition, a^3 , through the center of which is formed a hole for the passage of the gas, and to serve as or to receive a seat for the valve B. The valve B is suspended by a wire, C,

from the lower end of the weight D, which is suspended at its upper end from a cross-bar or frame, a^4 , secured in the upper part of the case A.

With this construction, should the position of the meter be changed to cause gas to pass through unregistered, the said change of position will cause the weight D to swing to one side and close the valve B, so as to prevent any passage of gas until the meter has been returned to its proper position, so that any change in the position of the meter will at once stop the flow of the gas.

E is a short tube, which is made in two parts or halves, hinged to each other at one edge and provided at their other edges with eyes e' , to receive a lead or other seal. Upon the inner surface of the tube E is formed an inwardly-projecting flange, e^2 , which fits around the collar of the case A, above the coupling a^2 .

With this construction any attempt to tamper with the connection between the case A and the meter will break the seal, and thus be made known.

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

The combination of the case A, provided with the partition a^3 and the bar or frame a^4 , the valve B, the connecting-rod C, and the suspended weight D, with each other, adapted to be attached to a gas-meter and its inlet-pipe, substantially as herein shown and described.

MORTIMER SHEA.

Witnesses:

JAS. RYAN,
THOS. J. LAPSLEY.