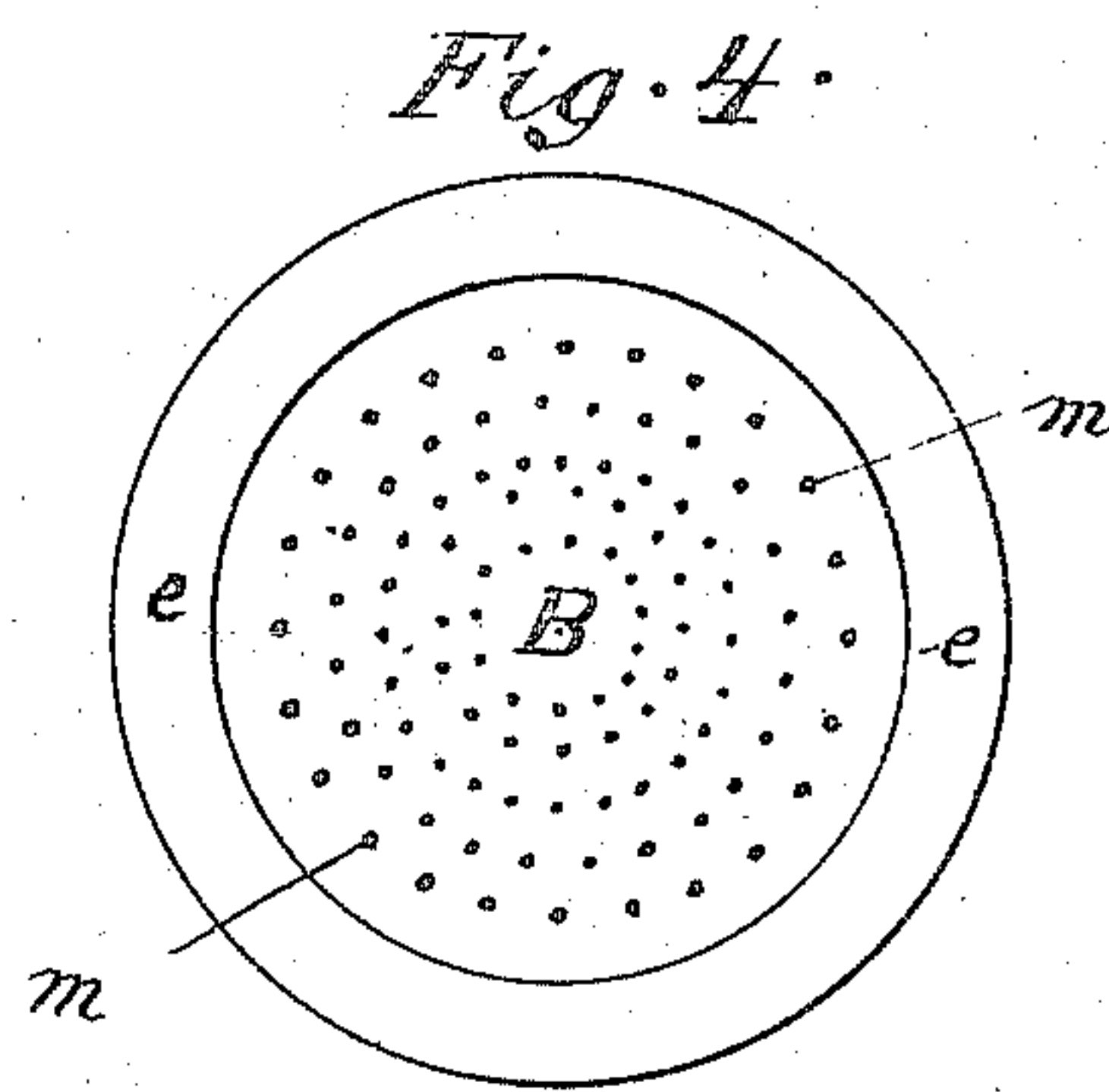
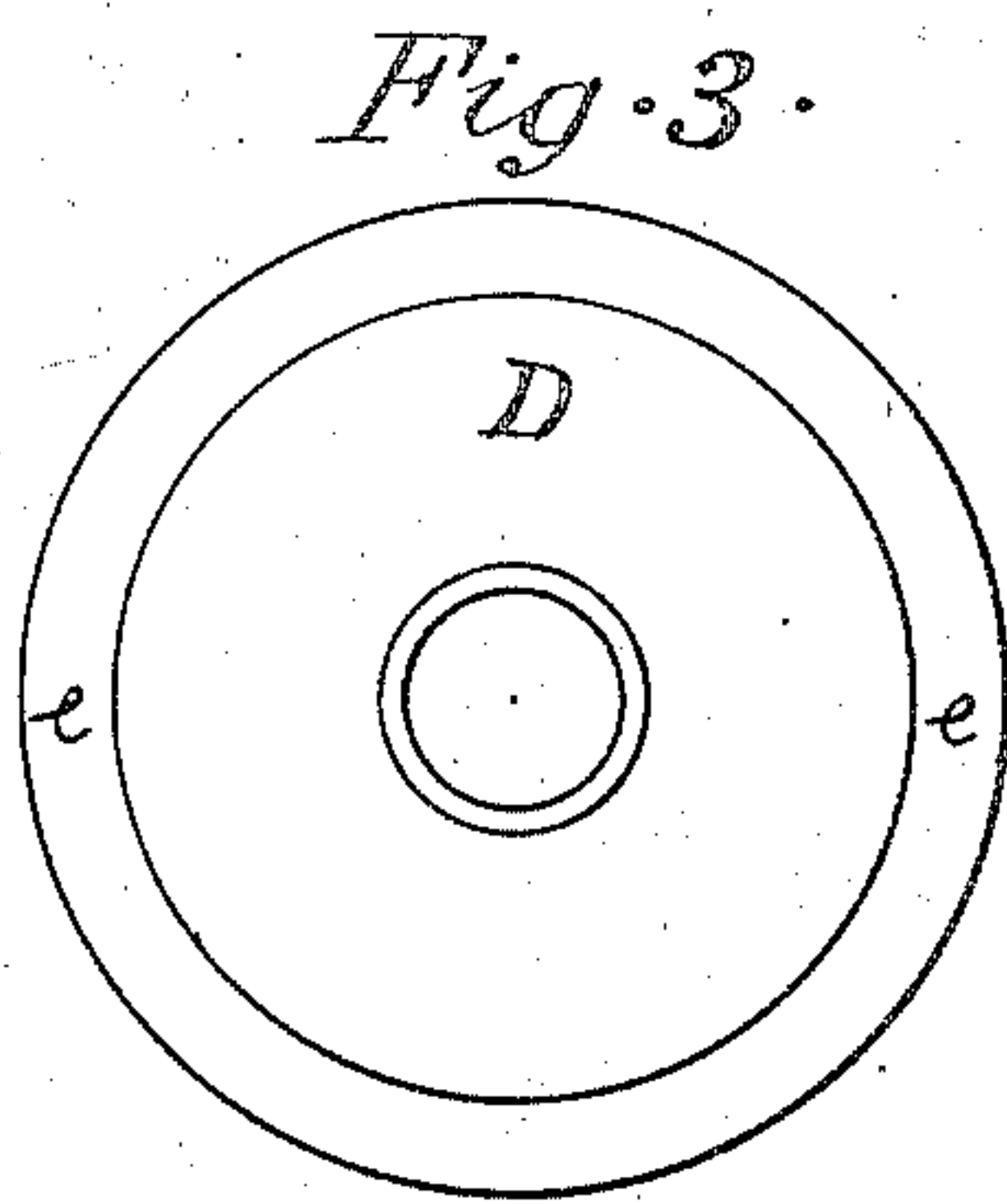
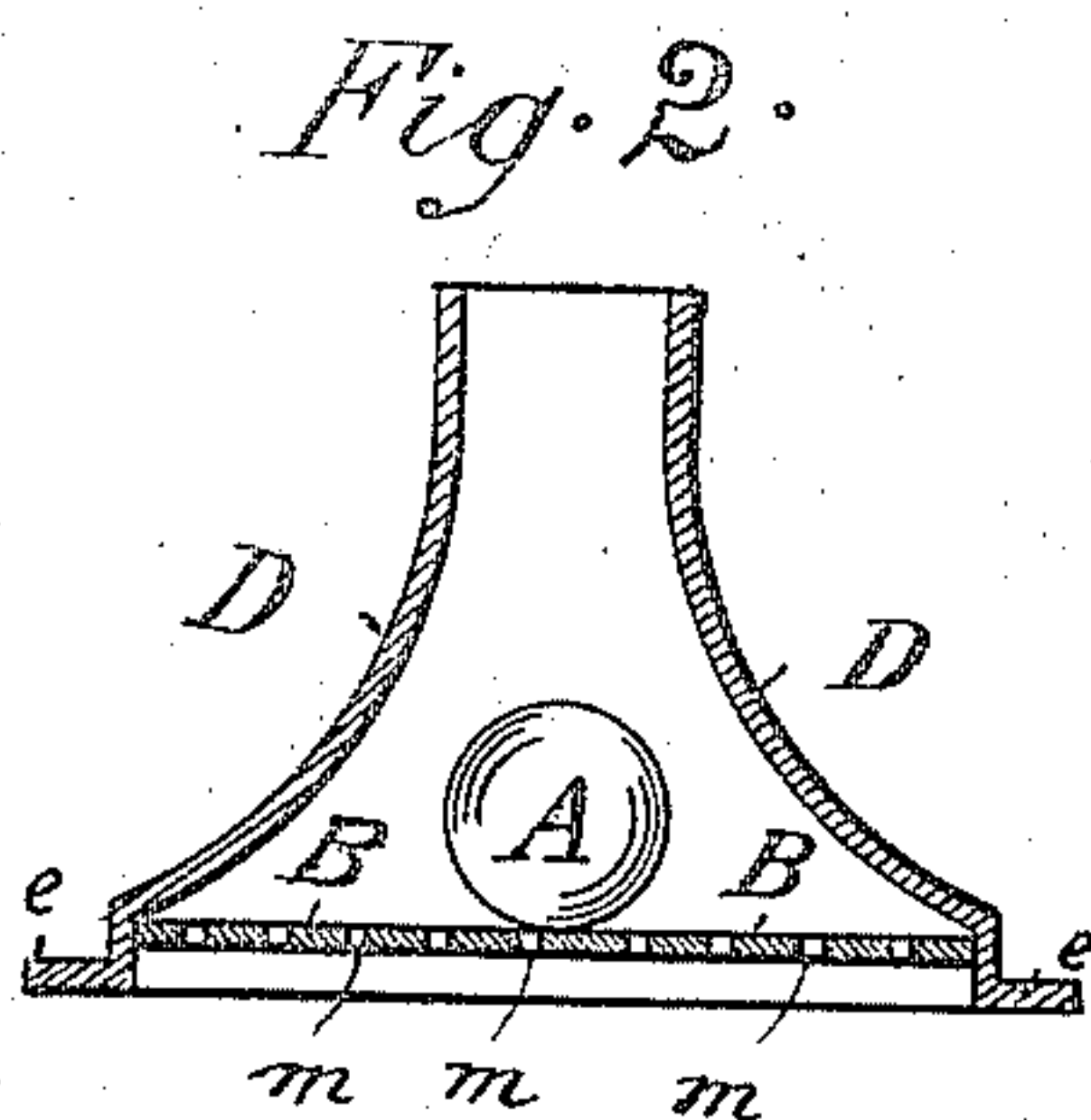
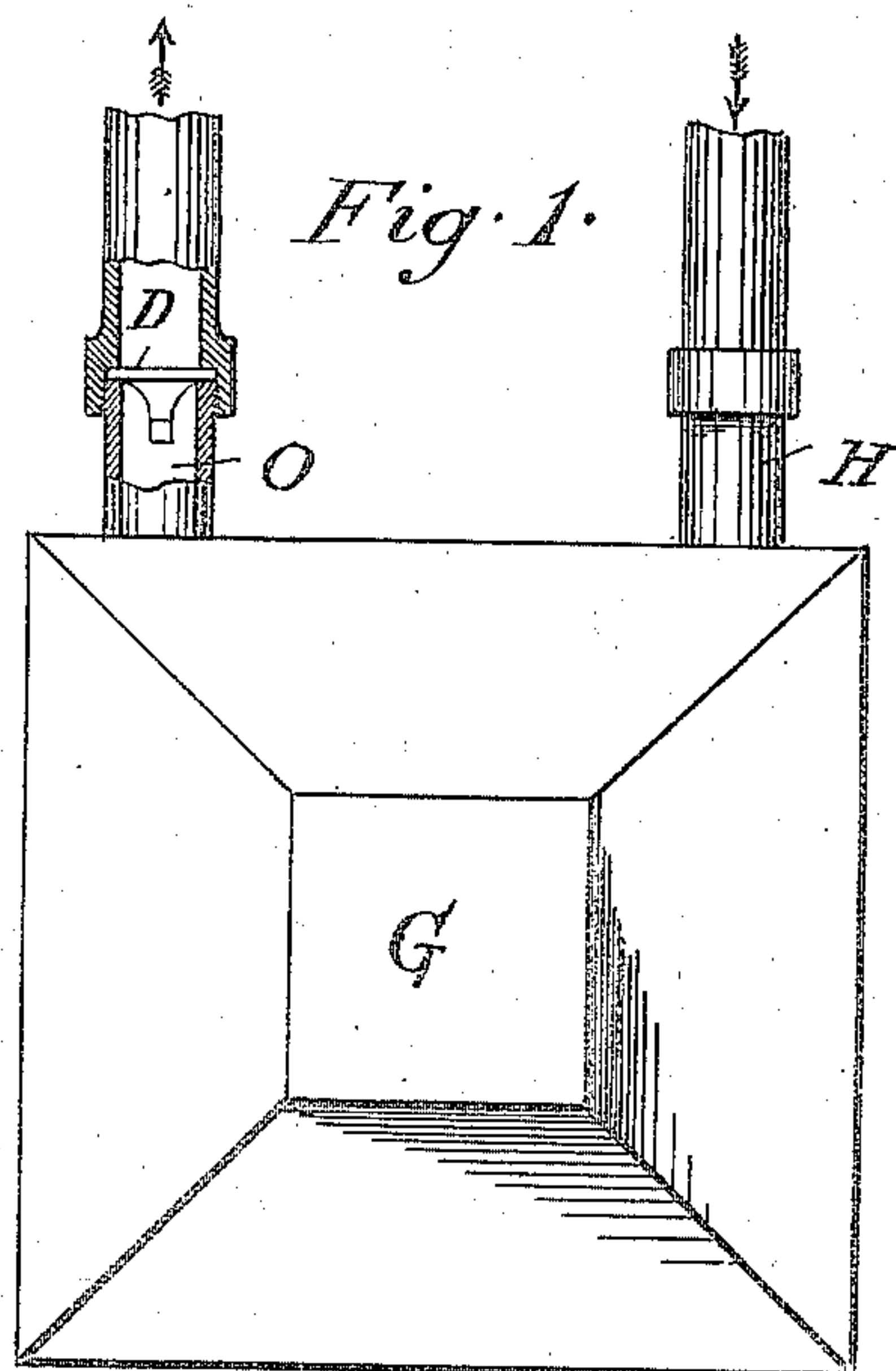


(No Model.)

A. KUHNE.
GAS SAVING CHECK.

No. 584,475.

Patented June 15, 1897.



WITNESSES:

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ADOLPH KUHNE, OF NEW YORK, N. Y.

GAS-SAVING CHECK.

SPECIFICATION forming part of Letters Patent No. 584,475, dated June 15, 1897.

Application filed December 8, 1896. Serial No. 614,968. (No model.)

To all whom it may concern:

Be it known that I, ADOLPH KUHNE, of New York, N. Y., have invented a certain new and useful Improvement in Gas-Saving Checks, of which the following is a specification.

This invention relates to improvements in gas-saving appliances, and has for its object to provide a cheap, simple, and effective device of the kind, easy of application and not likely to get out of order. The quality of gas is also improved by the exclusion of any air or water.

In the drawings herewith, forming part of this specification, Figure 1 is a view in elevation, partly in section, showing my device applied to a gas-meter. Fig. 2 is an elevated cross-sectional view showing details of construction. Fig. 3 is a top view, and Fig. 4 a bottom view, of the device.

In the practice of my invention I provide a conical cap having flaring walls D, which is adapted to be placed within the outflow-pipe O of a gas-meter G and is arranged with its small end directed downward. The conical cap or chamber D has extending across its larger end a plate B, having numerous perforations *m*. Below the perforated end portion B, I place a ball A, of aluminium or other light material adapted to move freely about within the chamber formed by the walls D. The walls of said chamber at their junction with the perforated end are flanged or bent outwardly, (*e*), so that the cap may rest upon and be retained by the flanged portion extending over upon the edge of the lower pipe.

The operation is as follows: The gas flows

into the meter through pipe H and out through pipe O. The pressure of the gas lifts the light ball A and keeps it revolving or oscillating within the cap D against the perforated partition B. By this means the ingredients of the gas are thoroughly and uniformly mixed, and a brighter light is, as a consequence, afforded. The rotation of the ball A will be continuous as long as the outflow of gas is permitted, and the purifying and checking action will be automatic.

Having thus fully described my invention, what I claim, and desire to secure by means of Letters Patent, is—

1. The combination with a gas-outlet pipe, of a device for checking the flow of gas there-through and comprising a conical tubular cap, open at the smaller end, a perforated plate closing the larger end of the tubular cap, and a ball located and freely movable within said cap, substantially as specified.

2. The combination of a gas-meter, a gas-outlet pipe therefrom, a conical tubular cap open at the smaller end and secured in said supply-pipe, a perforated plate closing the larger end of the tubular cap, and a ball located and freely movable within said cap, substantially as specified.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of the subscribing witnesses, this 7th day of December, 1896.

ADOLPH KUHNE.

Witnesses:

FRANK J. WEY,
HUGH T. DUNN.