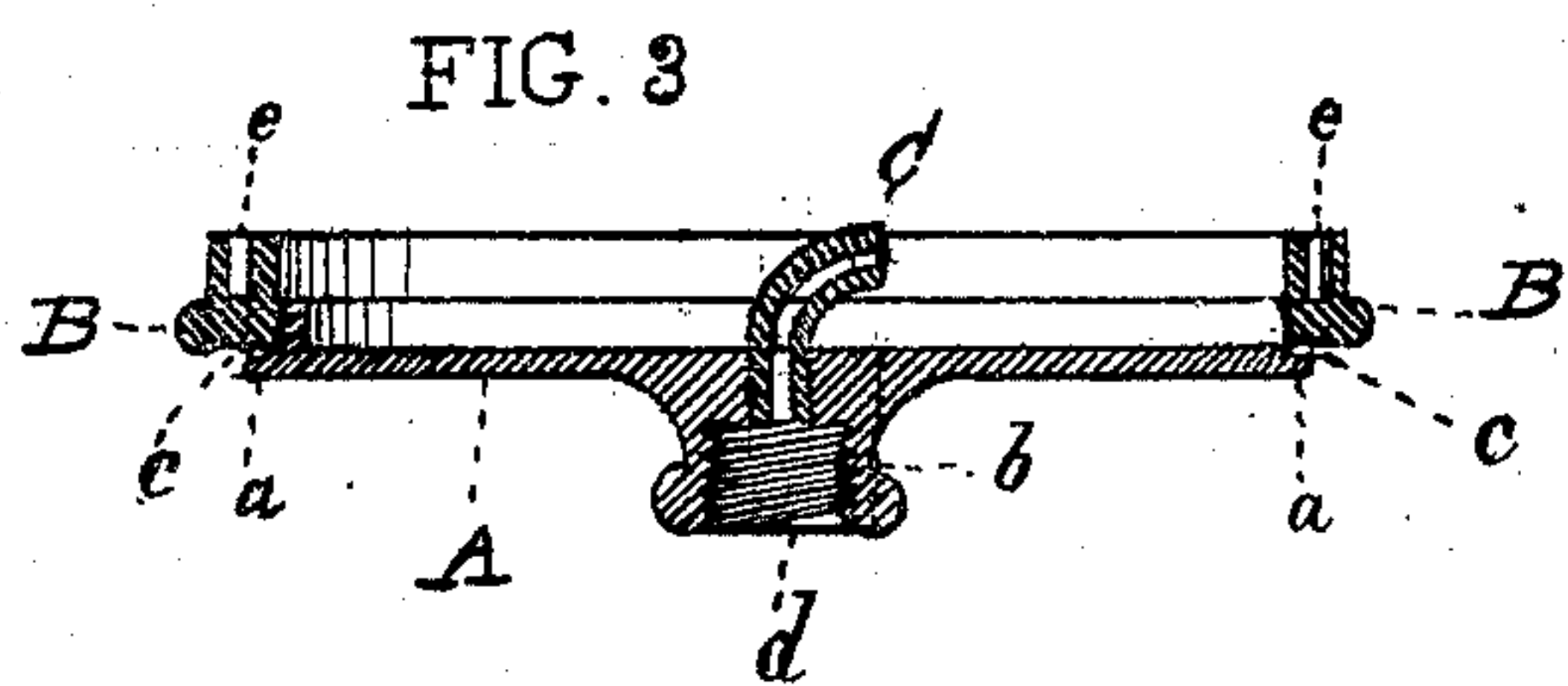
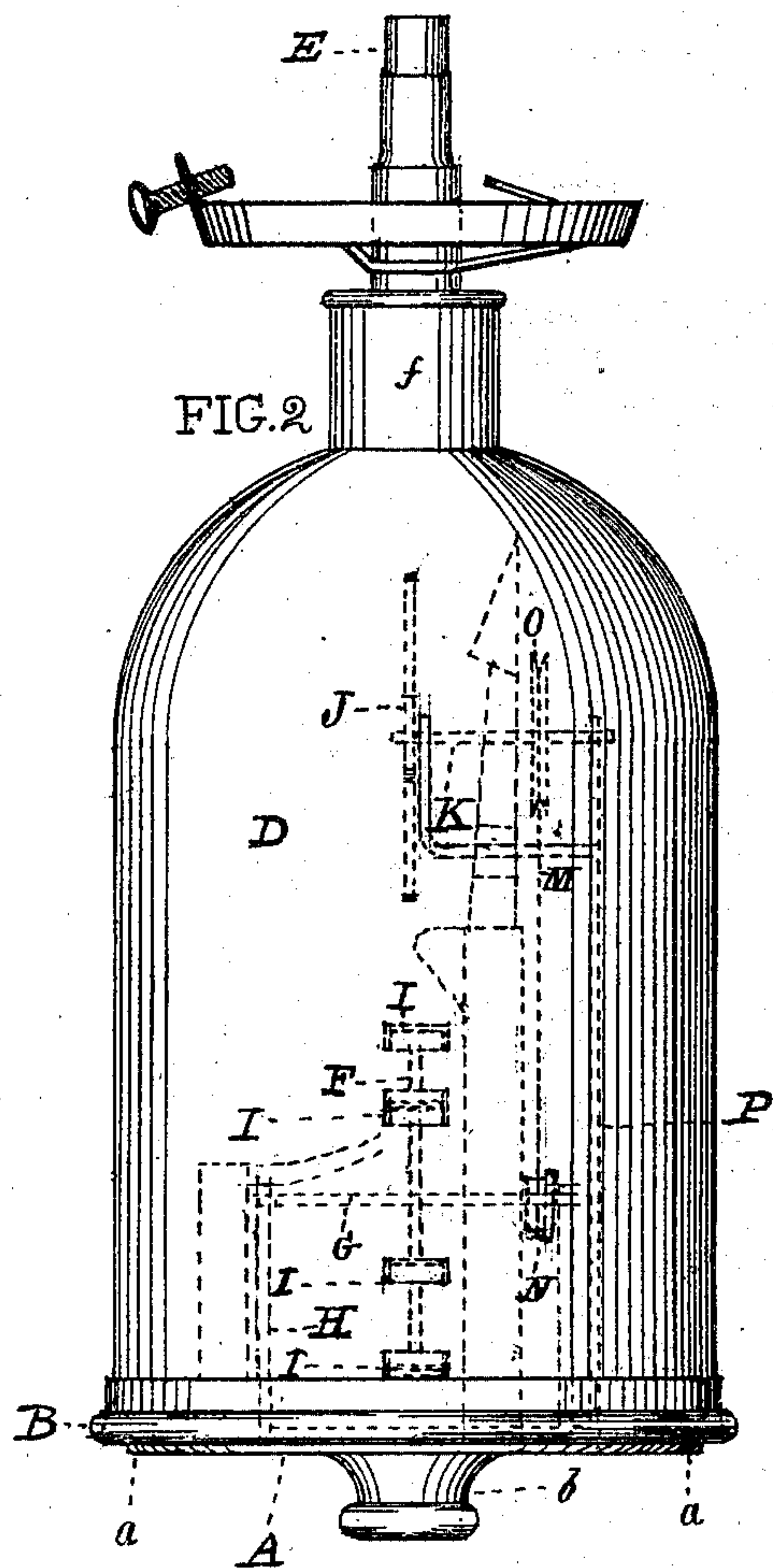
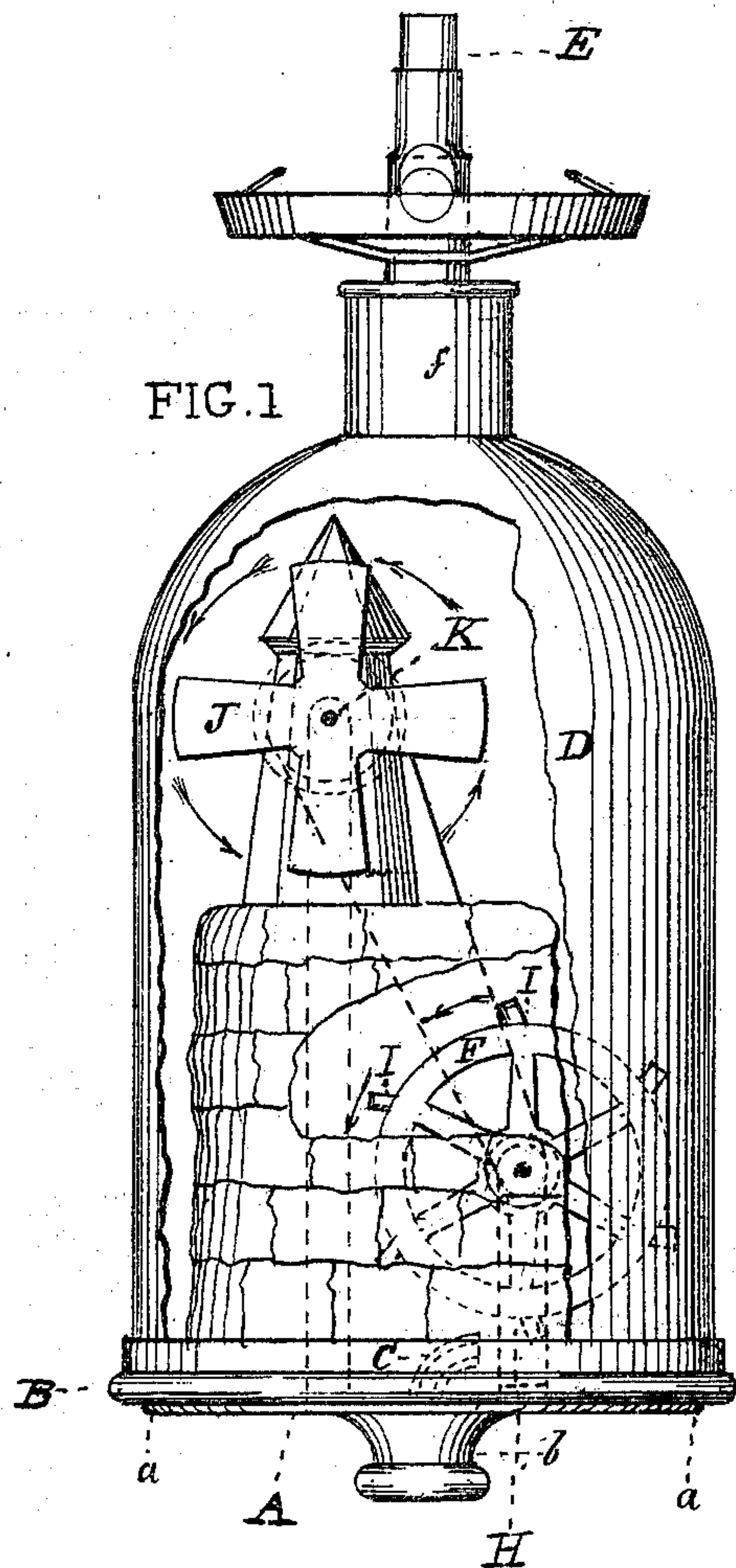


E. OMENSETTER.

Combined Mechanical Movement and Gas Burner.

No. 123,042.

Patented Jan. 23, 1872.



WITNESSES.

Thomas J. Bewley.
J. P. Wendell

INVENTOR.

E. Chanan Omensetter
By His Attorney
Stephen Ustick

UNITED STATES PATENT OFFICE.

ELHANAN OMENSETTER, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO
HIMSELF AND FREDERICK GUTEKUNST, OF SAME PLACE.

IMPROVEMENT IN COMBINED MECHANICAL MOVEMENTS AND GAS-BURNERS.

Specification forming part of Letters Patent No. 123,042, dated January 23, 1872.

Specification describing an Improvement in the Combination of a Mechanical Movement with a Gas-Burner, invented by ELHANAN OMENSETTER, of the city of Philadelphia and State of Pennsylvania.

The first part of my invention relates to the combination of a wheel provided with buckets with a vessel connected with the gas-pipe and burner in such a manner that the action of the buckets retards the flow of the gas to the burner, and thereby prevents any escaping without being consumed. The second part of my invention relates to the combination of a toy mechanical movement with said wheel, as hereinafter described.

Figures 1 and 2 represent side elevations of the improved device at right angles with each other. Fig. 3 is a cross-section of the base-plate A and ring B in connection therewith.

Like letters in all the figures indicate the same parts.

A is the base-plate, which has a screw-connection with the ring B, as seen in Fig. 3, there being a packing-ring, *c*, between the lip *a* of the plate and the under side of the ring to insure a tight joint. The plate has a central projection, *b*, on its under side, provided with a vertical screw-opening, *d*, for securing the plate to the end of the gas-pipe, (not seen in the drawing.) In connection with said opening there is an elbow-pipe, C, through which the gas is caused flow into the vessel D when turned on by the key connected with the gas-pipe in the usual manner. The vessel has a tight connection with the ring B, the lower edge connecting with the annular groove *e* of

the ring and being packed with plaster or other suitable material. The burner E is connected with the neck *f* of the vessel D. F is a wheel on the shaft G, whose journals are supported by means of the pedestal H, seen in Figs. 1 and 2. The pedestal is confined on the base-plate A. The wheel is provided with buckets I on its periphery, into which the gas flows from the pipe C and causes the wheel to turn in the direction of the arrows and revolve the wheel J on the shaft K by means of the band M and pulleys N and O on the shafts G and K. The shaft K is supported by the standard P, whose base is secured to the base-plate A.

It will readily appear that the flow of gas upon the wheel F will keep the mechanism in motion, and that the action of the buckets I, as the wheel revolves, retards the flow of the gas to the burner, and thus prevents any of it escaping unburned.

I claim as my invention—

1. The combination and arrangement of the vessel D with the gas-pipe and burner, and the combination therewith of the wheel F, having buckets I, for checking the flow of gas to the burner, substantially as and for the purpose above set forth.

2. The combination of the wheels F and J, shafts G and K, pulleys N and O, and band M with the vessel D, gas-pipe, and burner, substantially in the manner and for the purpose specified.

ELHANAN OMENSETTER.

Witnesses:

THOMAS J. BEWLEY,
STEPHEN USTICK.