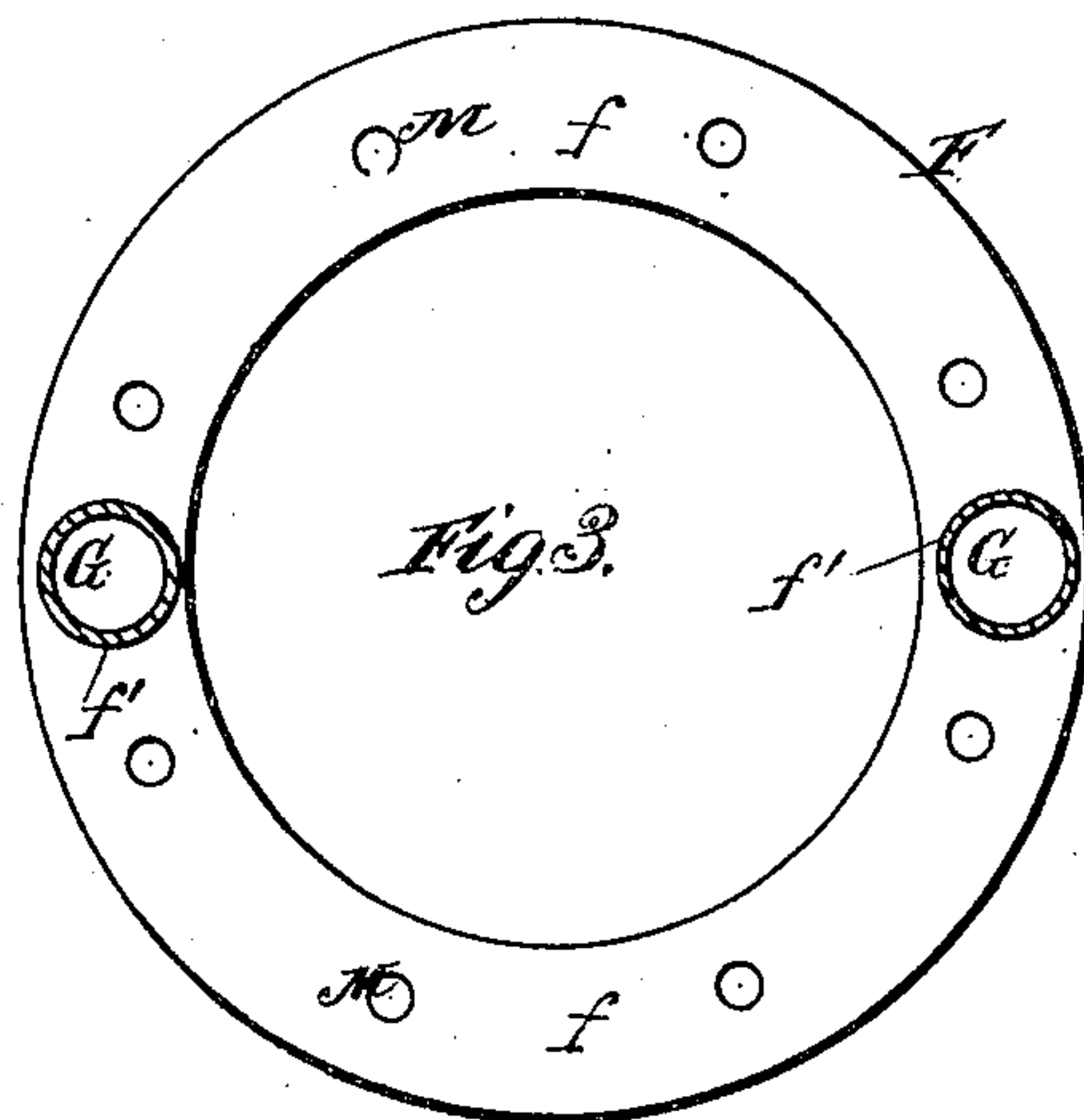
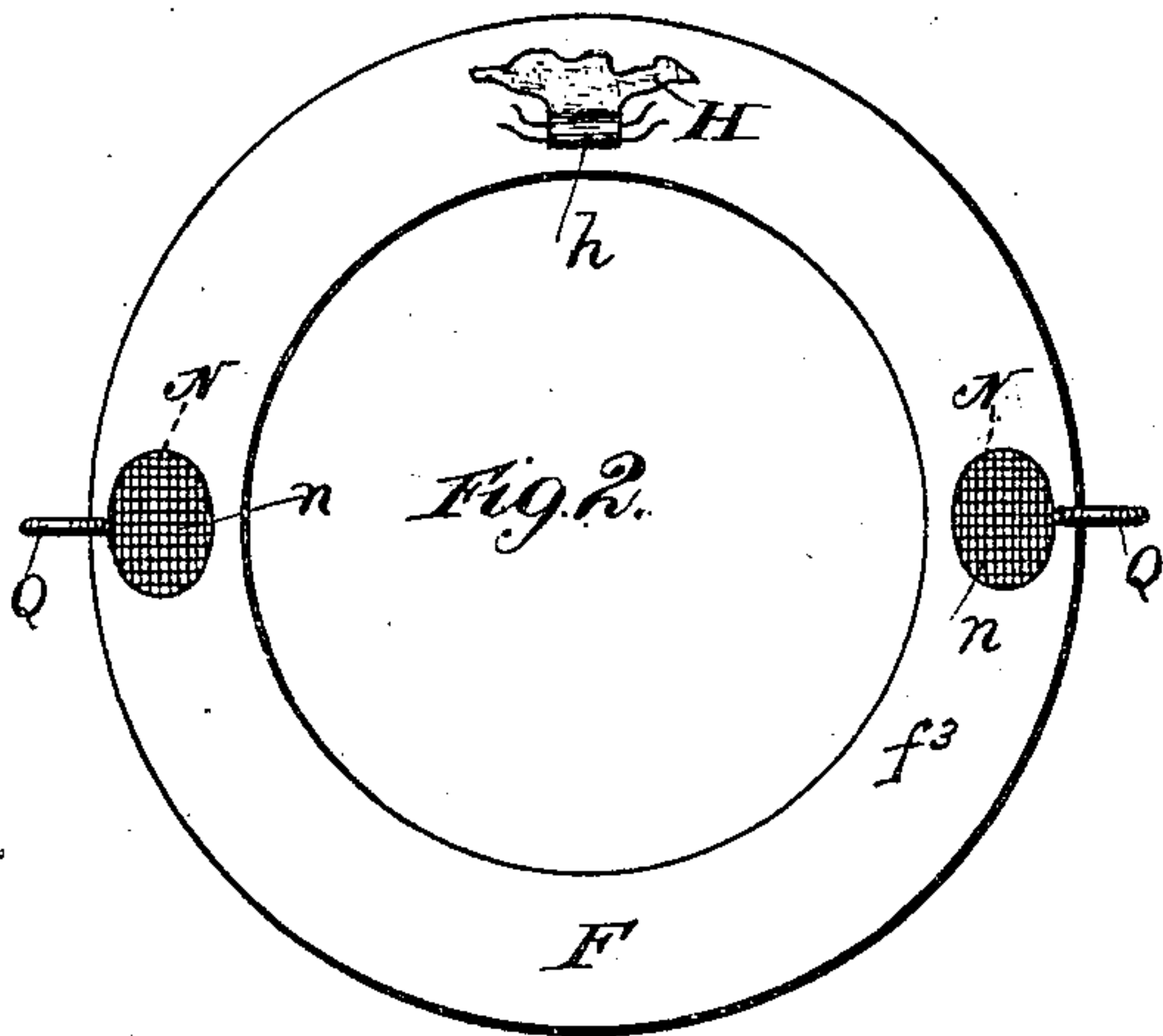
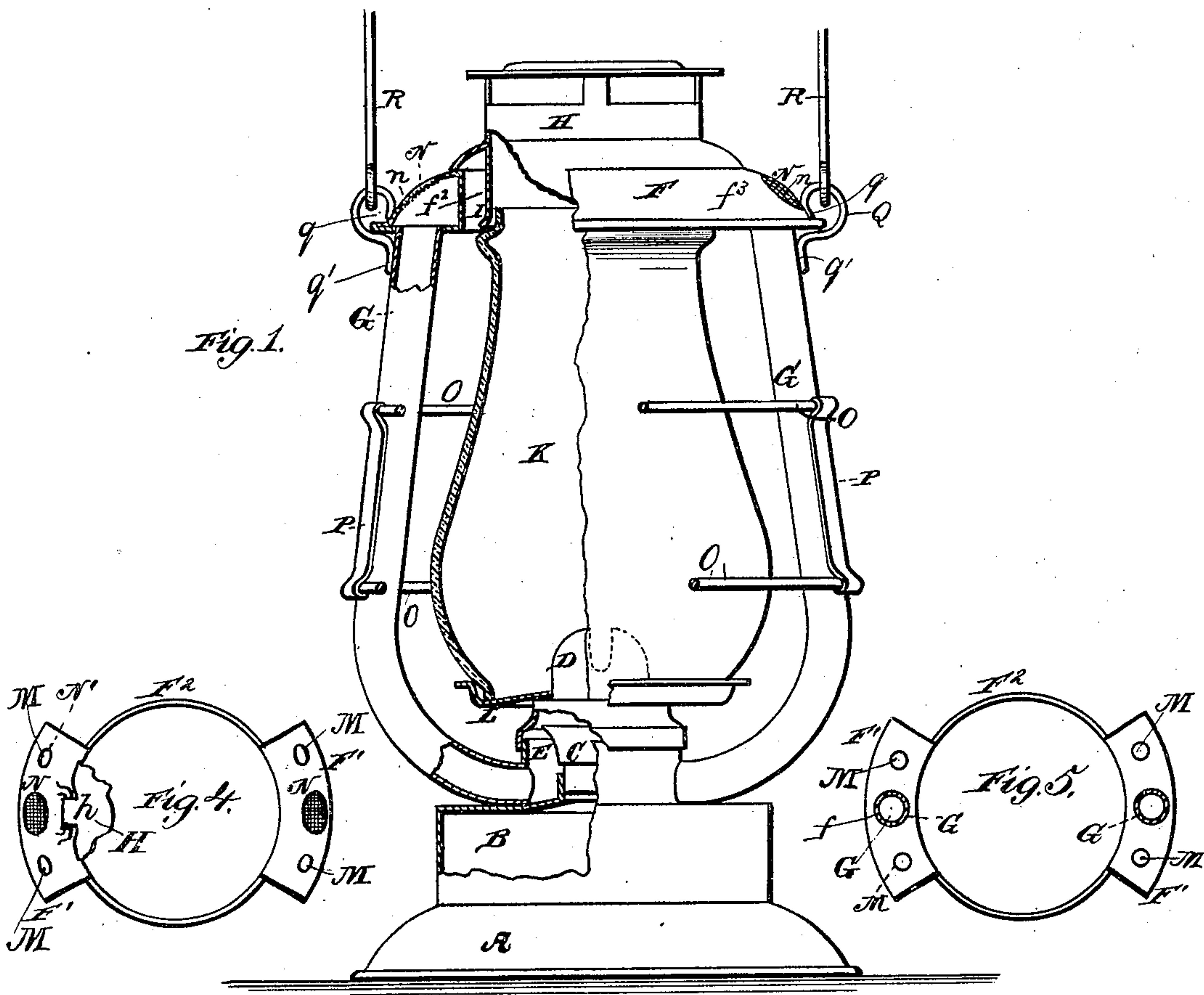


(No Model.)

G. NEIDENBERGER.
LANTERN.

No. 245,547.

Patented Aug. 9, 1881.



Inventor.

Witnesses.
Robert Everett

James J. Sheehy.

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UNITED STATES PATENT OFFICE.

GEORGE NEIDENBERGER, OF ST. LOUIS, MISSOURI.

LANTERN.

SPECIFICATION forming part of Letters Patent No. 245,547, dated August 9, 1881.

Application filed June 15, 1880. (No model.)

To all whom it may concern:

Be it known that I, GEORGE NEIDENBERGER, a citizen of the United States, residing at St. Louis, in the State of Missouri, have invented Improvements in Lanterns, of which the following is a specification.

My invention relates to those lanterns constructed with air-tubes extending from the top to the burner.

My improvement consists, first, in combining with a lantern air-tubes communicating by their upper ends with an air-chamber provided with perforations and openings and perforated plates of metal, said openings and perforated plates being located directly over the tops of the tubes, as and for the purpose hereinafter described.

My improvement consists, secondly, in combining with a lantern an air-chamber constructed with a flat under side, having openings for insertion of or connection to the air-tubes, and having perforations for admitting air, vertical inner side, and an outer side, having openings located over the openings in the under side, as set forth hereinafter.

My improvement consists, thirdly, in combining with air-tubes and an air-chamber located thereon bail-ears secured to the air-tubes and air-chamber in a peculiar way, as hereinafter set forth.

In order that my invention may be fully understood, I will proceed to describe it with reference to the accompanying drawings, in which—

Figure 1 is a side view of my improved lantern, partly in section. Fig. 2 is a top view of the annular air-chamber detached. Fig. 3 is a view of the under side thereof. Fig. 4 is a top view of a modification in which portions of the annular air-chamber are dispensed with, thus forming a distinct air-chamber for each air-tube. Fig. 5 is an under-side view thereof.

A represents the base, B the oil-reservoir, C the wick-tube, D the burner, and E the lower air-chamber, all of which may be of any approved construction.

G G are two air-tubes leading from the chamber E upwardly to and supporting an annular air-chamber, F, Figs. 1, 2, and 3, or two air-chambers F' and F', Figs. 4 and 5, secured together by a wire ring, F². The air-chamber F is formed with flat under side, *f*, having openings *f'* for the air-tubes G G and perforations or holes M, vertical inner side, *f*², and inclined or

rounded outer side, *f*³, having the openings N over the tube-openings *f'*, protected by a perforated plate or wire-gauze, *n*.

H is the top of the lantern, hinged to air-chamber at *h*, and provided with a flange, I, which fits the top of a globe, K, having a seat, L.

A lamp-guard surrounding the body of the lantern, and consisting of wire rings O and connecting-straps P, may be employed.

Q represents ears attached at *q* and *q'* to the air-chamber or chambers and air-tubes, respectively, and forming a secure connection for the bail R.

It will be observed that by locating the bail attachment in the manner shown a secure hold is obtained on the body of the lantern.

The perforations M may be in the outer side of the air-chamber, if preferred, as shown in Fig. 4, or in the inner side.

It will be observed that the modification shown in Figs. 4 and 5 merely shows isolated portions of the annular chamber removed and a wire ring, F², substituted therefor.

Having thus described my invention, the following is what I claim as new therein and desire to secure by Letters Patent:

1. The combination, in a lantern, of the tubes G, communicating by their upper ends with chamber F, provided with perforations M and openings N, and perforated plates of metal *n*, said openings and perforated plates being located directly over the tops of the tubes, as and for the purpose set forth.

2. In a lantern, the air-chamber F, constructed with flat under side, *f*, having openings *f'* and perforations M, vertical inner side, *f*², and outer side, *f*³, having openings N, located over the openings in the under side, in combination with the air-tubes G G.

3. In a lantern, the combination, with the chamber F and tubes G G, entering the under side of said chamber, of the ears Q and bail R, the said ears being secured to the air-chamber at *q* and to the tubes at *q'*, as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

GEORGE NEIDENBERGER.

Witnesses:

H. GAA,
HERMAN HESS.