

J. W. BARTLETT.

Street Lamp.

No. 103,828.

Patented June 7, 1870.

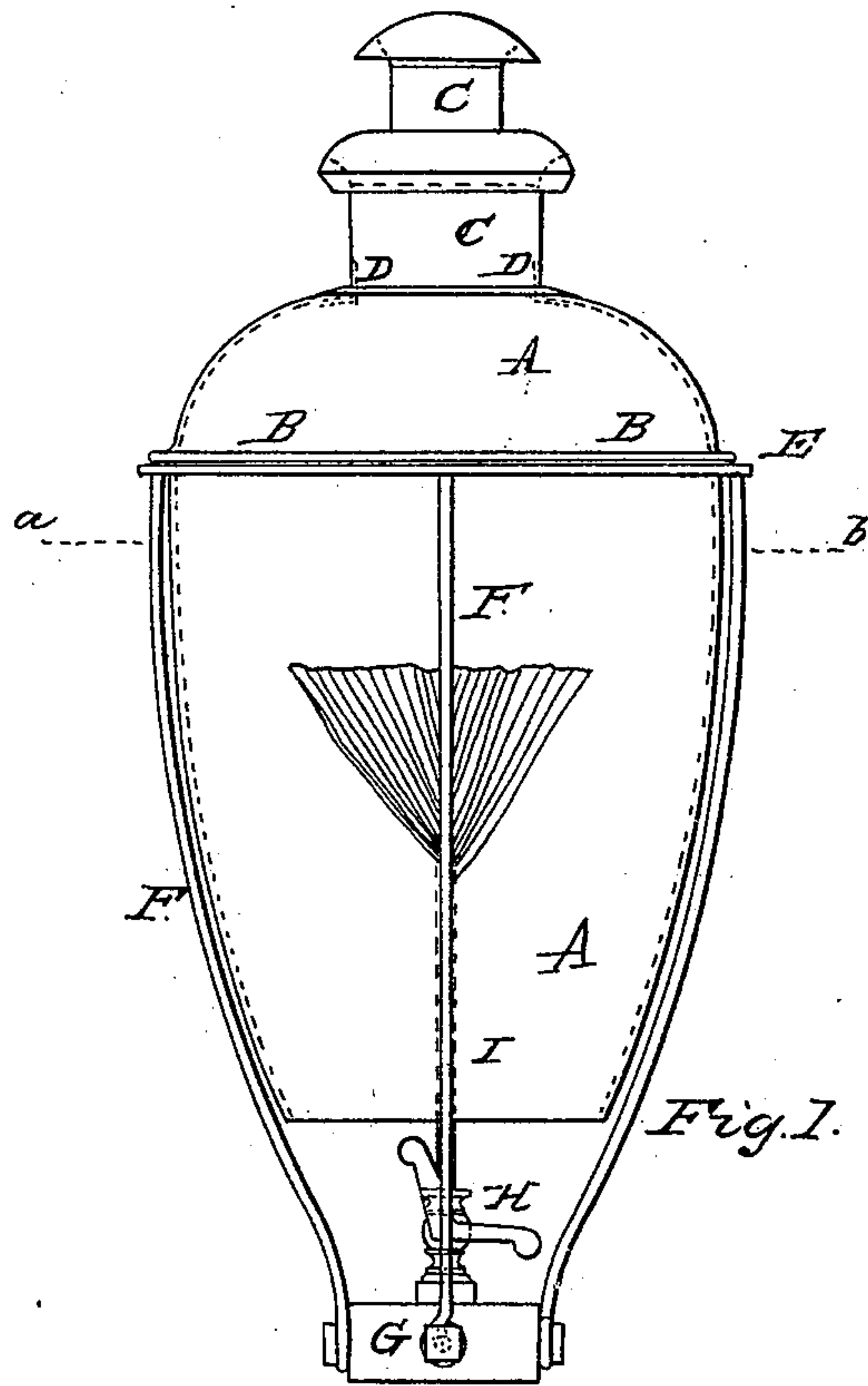


Fig. 1.

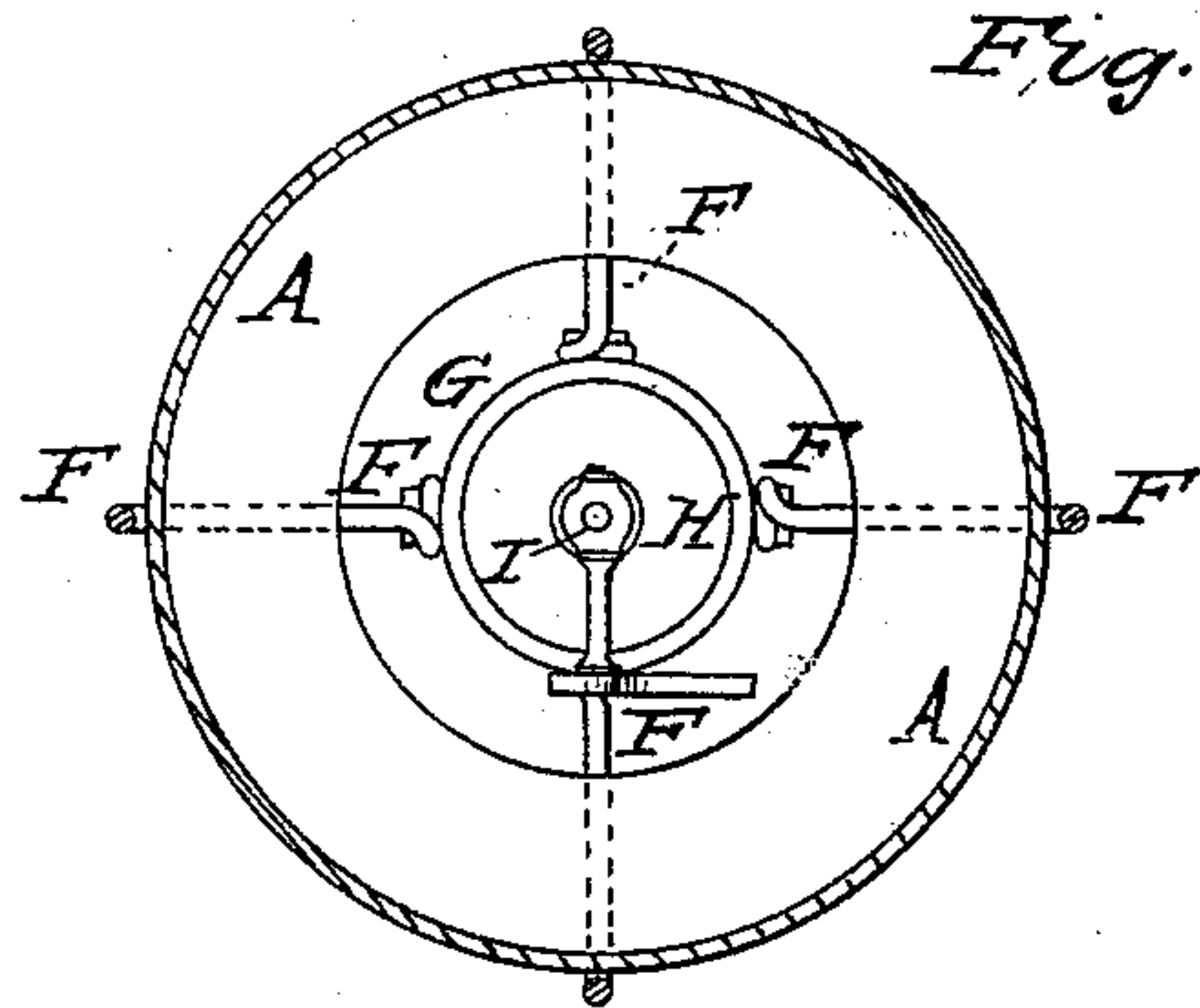


Fig. 2.

Witnesses
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UNITED STATES PATENT OFFICE.

JOSEPH W. BARTLETT, OF NEW YORK, N. Y.

IMPROVEMENT IN LANTERNS FOR STREETS.

Specification forming part of Letters Patent No. 103,828, dated June 7, 1870.

To all whom it may concern:

Be it known that I, JOSEPH W. BARTLETT, of the city, county, and State of New York, have invented certain Improvements in Lanterns, for Street and other Elevated Lamps, of which the following is a specification:

The object of my invention is to secure a lantern especially for street use, constructed in such a manner that the light thrown out from the flame within the lantern shall be obstructed thereby in the least possible degree, and also to produce such a lantern in the most simple and economical manner.

The lanterns now in use, being constructed either with tin or other metal frames, or with metal tops or covers, aside from the ventilator, obstruct the light radiating from the flame to a greater or lesser degree, causing a considerable portion of the light to be lost to the public use and good; whereas the lantern herein shown and described, being made entirely of glass, (with the exception of the ventilator, which it appears best to be made of metal,) offers no obstruction to the rays of light in passing direct to the space where it is desired or designed.

The lantern is supported in the frame upon the post, or in any desired position, by a flange of glass made upon the outer surface of the globe, near the top; or it may be supported by the lower edge of the globe resting upon a metal rim attached to the upright or support-

ing rods within which the globe is placed, in which case the flange of glass above referred to may be dispensed with.

Figure 1 is a side elevation. Fig. 2 is a section after the line *a b*.

A is a globe, constructed entirely of glass, which may be made of any desired thickness. B is a flange, made also of glass, upon the globe. C is a ventilator, fitted to the top and opening of the globe by the laps D D. The ventilator may be made of any desired style. E is a thin, flat rim or ring, to which the rods F F are attached. G is a ring of iron, to which the rods F are attached, and is fitted upon the post. H represents a double-handle gas-cock; I, the gas-pipe and flame.

Having thus described my improved lantern, I do not desire it to be understood that I claim, as being new, either the frame or a globe made simply and entirely of glass, for the purposes set forth; but

What I claim, and desire to secure by Letters Patent, is—

A lantern having the glass inclosing the light or flame and the upper portion or dome made in one piece, and with a flange, B, by means of which the glass or lantern is suspended within the frame of a street-lamp.

JOSEPH W. BARTLETT.

Witnesses:

WM. H. POST,
HENRY M. ANDERSON.