

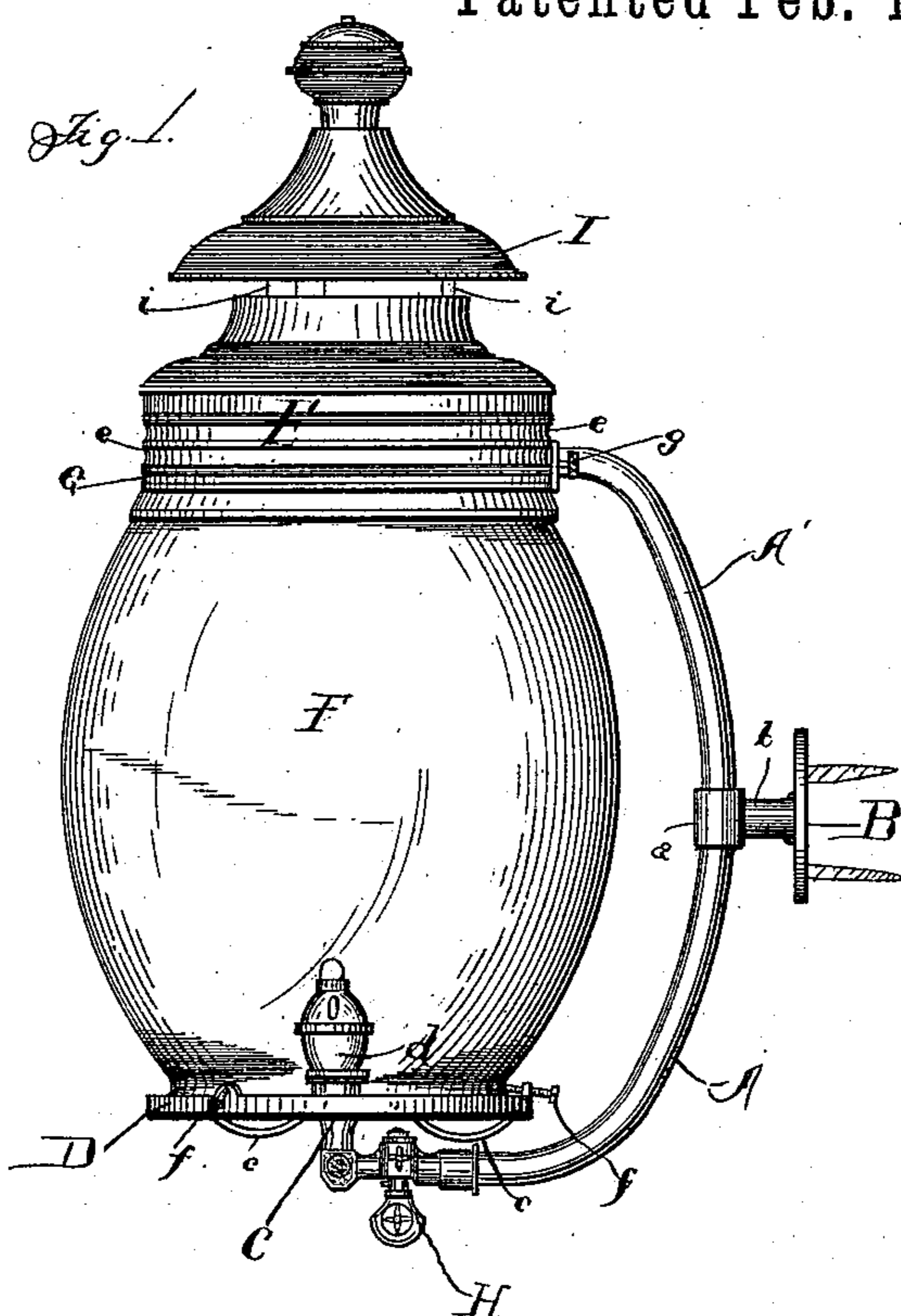
(No Model.)

2 Sheets—Sheet 1.

F. BILLINGHAM.
LAMP.

No. 534,544.

Patented Feb. 19, 1895.



Witnesses:

J. M. Fowler Jr.
W. J. Koerth

Francis Billingham
Inventor

By
Chas. A. Barber
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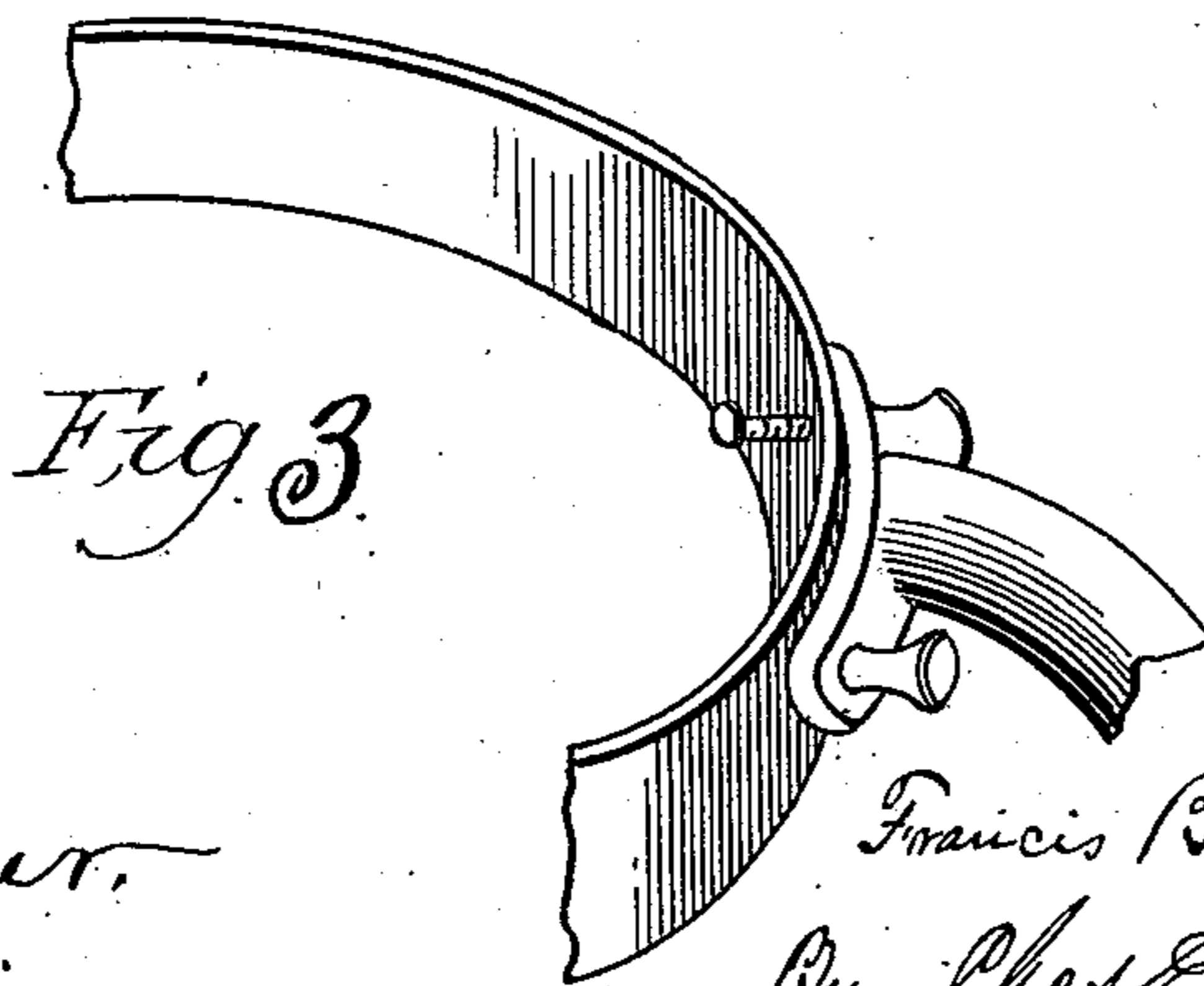
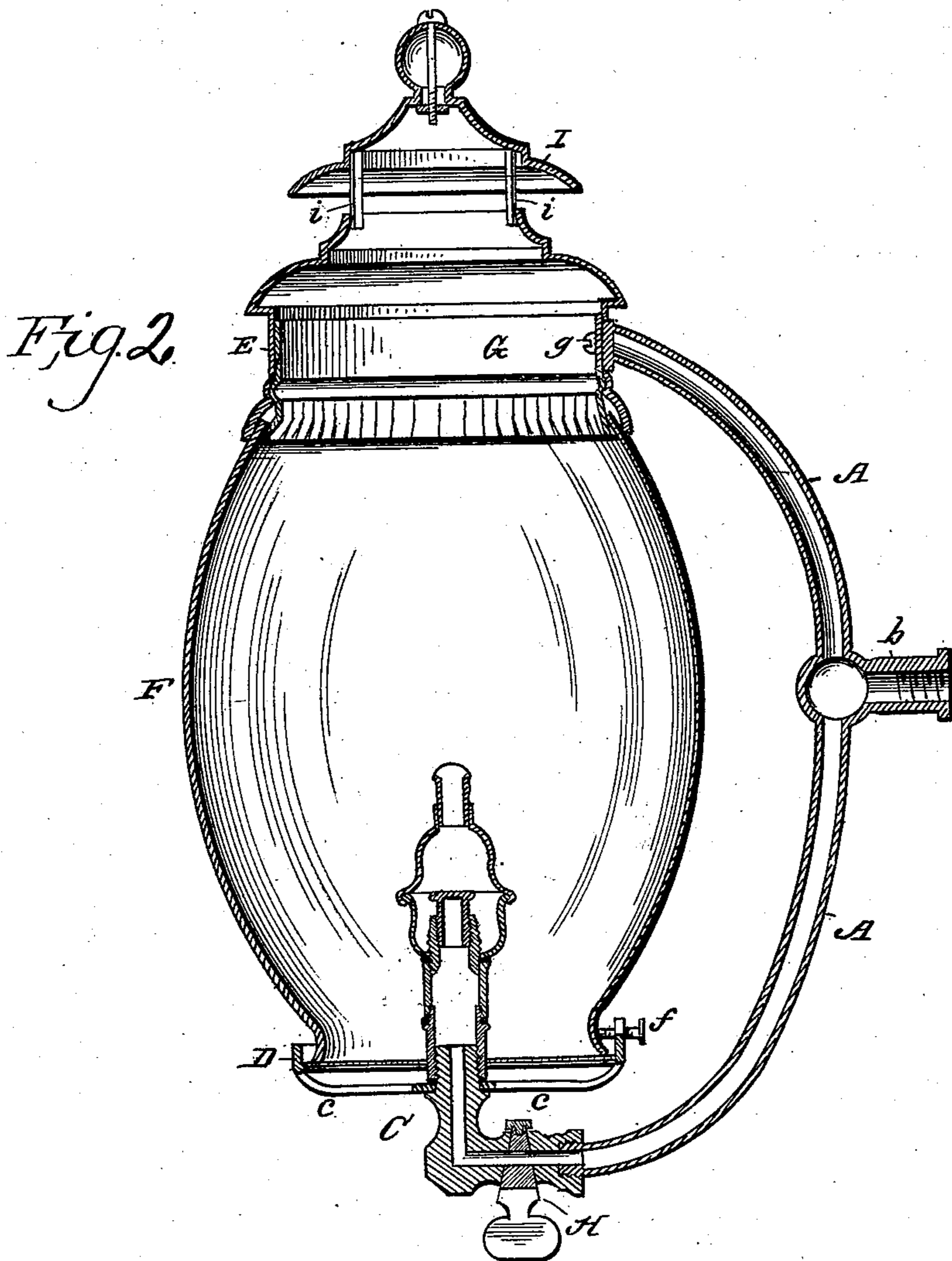
(No Model.)

2 Sheets—Sheet 2.

F. BILLINGHAM.
LAMP.

No. 534,544.

Patented Feb. 19, 1895.



Witnesses

Robert M. Baker.

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UNITED STATES PATENT OFFICE.

FRANCIS BILLINGHAM, OF BROOKLYN, NEW YORK.

LAMP.

SPECIFICATION forming part of Letters Patent No. 534,544, dated February 19, 1895.

Application filed April 14, 1888. Serial No. 270,654. (No model.)

To all whom it may concern:

Be it known that I, FRANCIS BILLINGHAM, a citizen of the United States of America, and a resident of the city of Brooklyn, county of Kings, and State of New York, have invented a certain new and useful Improvement in Lamps, of which the following is a specification.

My invention relates to lamps, and has for its object providing a side, or bracket lamp, provided with convenient means for securing it in place, and which means will serve as a conduit for either oil, gas or electric conductors, and also to hold the canopy, or the metallic top parts, as well as the globe or shade holder, or bottom parts, in their respective places independent of the globe, so that if the globe or shade were to break or fall away, the metallic parts would be retained in their respective places, thus making a frame of supporting posts unnecessary.

My invention consists in the combination with a lamp, and the arrangement of a hollow arm, or bracket, one end of which is firmly attached to the metallic parts below the globe, and the other end detachably attached to the metallic parts above the globe, and which serve as a conduit for either gas, oil or electric conductors, whichever it is desired to use. In the accompanying drawings, Figure 1 is a side elevation of my improved device. Fig. 2 is a section of my invention. Fig. 3 is a detailed perspective of bracket support.

A two-armed hollow bracket —A—A', somewhat in the form of a reversed letter "G" is provided near its center with a reinforcing ferrule or joint —a—, from which a short hollow shank —b— extends, and which is adapted for being firmly secured to a vertical wall or other support, either by a screw socket that will engage with a nipple of a gas pipe, or by a suitable flange as —B—, which may be fastened to the wall by ordinary screws.

I make the shank —b— and the arms of the bracket hollow, so as to adapt them as the conduits for gas, electric conductors, or oil, whichever may be desired for producing light.

The lower arm —A— of the bracket, which is provided with a suitable key cock —H— is extended and curved so as to reach a central

point underneath the lamp, and is there attached in any suitable manner to the center —C—, from which radial arms —c— extend to a supporting ring or globe holder —D—, which is provided with suitable set screws —ff— for securing the globe —F— in place.

The upper arm —A'— of the bracket is extended and curved so as to reach the periphery of the metallic ring band —G—, terminating there in two lateral flanges —e—, which are detachably secured to the ring band —G— by screw bolts —g—, in the manner as shown, so as to bring the said band vertically over the globe supporting ring —D—. This ring band —G— is provided with a short cylindrical neck, extending upward; over which is slipped the funnel —E—, and over the funnel —E— a canopy or smoke deflector —I— is held in place by supporting bars —i i—: all metallic parts above the globe being held in place securely by the upper arm A' of the bracket, and all metallic parts below by means of the lower arm A of the bracket. Other means of supporting the same are rendered unnecessary; and the globe —F— is held in place by the joint action of the supporting ring —D— and ring band —G—.

The end of the lower arm A of the bracket after it passes through the center —C—, is screw threaded and adapted for the connection of either an oil, or gas burner, or an incandescent electric lamp.

The hollow of the upper arm of the bracket —A'— is closed at its top end, and is made to serve as an expanding or pressure equalizing chamber, but the hollow of the lower arm —A— and the shank —b— are open throughout and communicate with the connections for which they are adapted, so as to serve as a conduit.

If an incandescent lamp is used, the conducting wires are threaded through the bracket—which completely conceals them. It then is screwed to its support and the connections of the wires made to the incandescent lamp, which in turn is screwed in place. The ring band —G— is detached and the globe set in place in the supporting ring —D—. Then the ring band —G— on the top rim of the globe is secured to the upper arm of the bracket by the screw bolts —g g—.

If an oil or gas burner is used, it and the globe may be first fixed in place, then the bracket screwed to its support.

From the foregoing it will be readily understood that the lamp globe has the upper band secured thereto, and this band is perforated so that the set screws in the upper portion of the bracket will screw into said perforation in the band and hold the globe against displacement at the top. The bottom of the globe is secured in position by resting on the lower ring on the bracket, and it is held in position there by the small set screws. To remove the globe the set screws around the bottom of the globe are unscrewed and the screws in the upper portion of the bracket are unscrewed until the band around the upper portion of the globe is disengaged from the bracket support. Then the globe and the upper metallic band may be readily taken out and cleaned and put back.

I do not claim broadly a bracket forming the sole and separate support of the upper and lower parts of a lamp, as I am aware that solid supporting brackets have been used for that single purpose heretofore.

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

1. A lamp-shade holder comprising a bracket with upward and downward extending rigid arms, a support for the shade or globe on the lower arm, and a band or ring, to receive and hold the top of said shade or globe, detachably secured to the upper arm, substantially as shown and described.

2. A lamp-shade holder comprising a bracket

having a horizontal hollow arm adapted to be attached to a wall or support, and upward and downward projecting rigid and hollow arms, a support for the shade or globe on the lower arm, and a ring or band, to receive and hold the top of said shade or globe, detachably secured to the upper arm, substantially as shown and described.

3. A lampshade holder comprising a bracket having a horizontal arm adapted to be secured to a wall or support, with upward and downward projecting rigid arms, a support for the shade or globe on the lower arm, and a ring or band, to receive and hold the top of said shade or globe, detachably secured to the upper arm, the said horizontal and lower arms being hollow to form a continuous passage, substantially as shown and described.

4. In a bracket lamp the combination of a bracket comprising a horizontal arm, adapted to be attached to a wall or support, and upward and downward projecting rigid arms, a support for the shade or globe on the lower arm, a shade or globe on said support, and a ring or band, to receive and hold the top of said shade or globe, detachably secured to the upper arm, substantially as shown and described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of two witnesses, this 27th day of January, 1888.

FRANCIS BILLINGHAM.

Witnesses:

ELLIOTT G. ALBEE,

CHARLES W. TERWILLIGER.