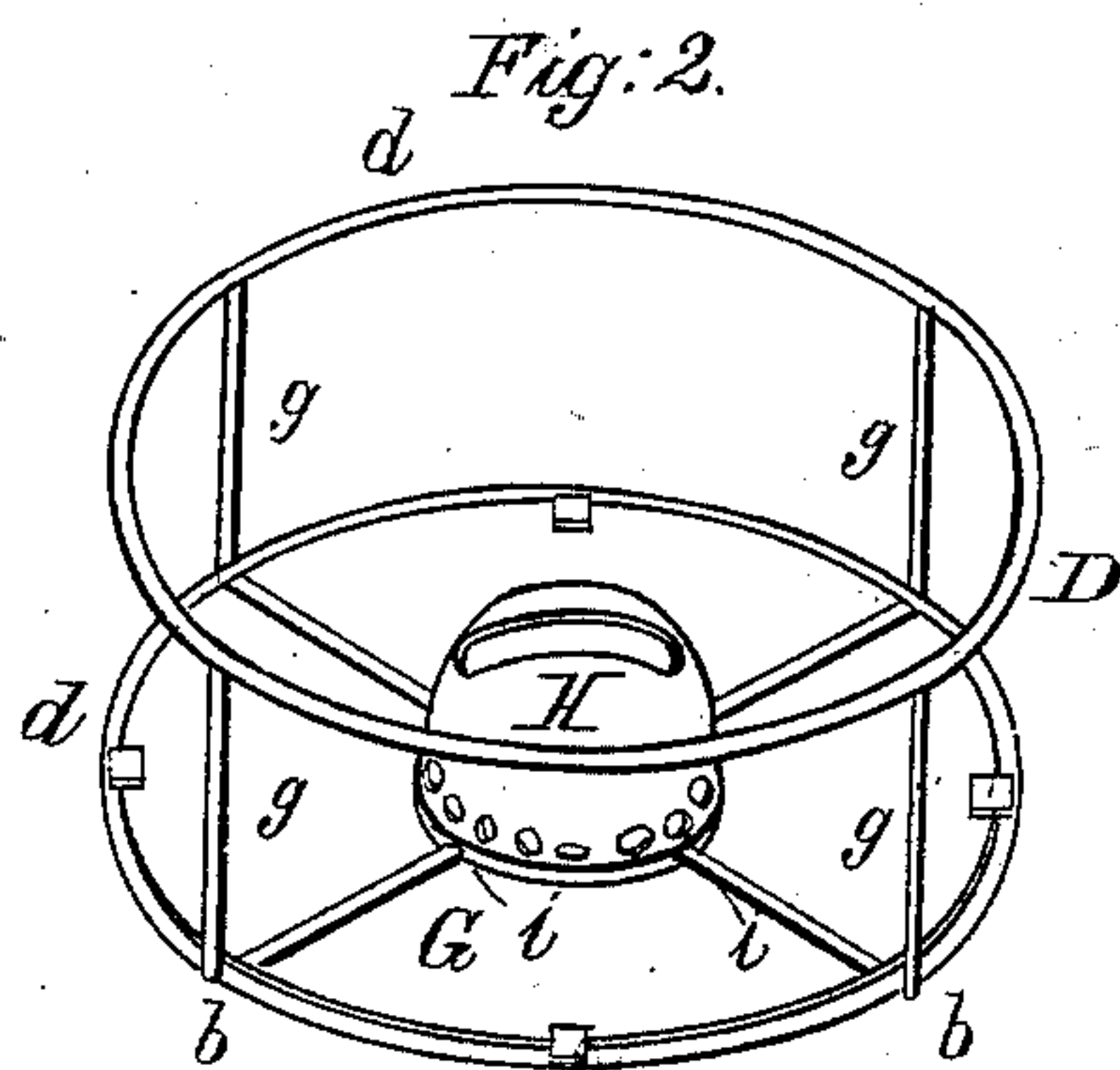
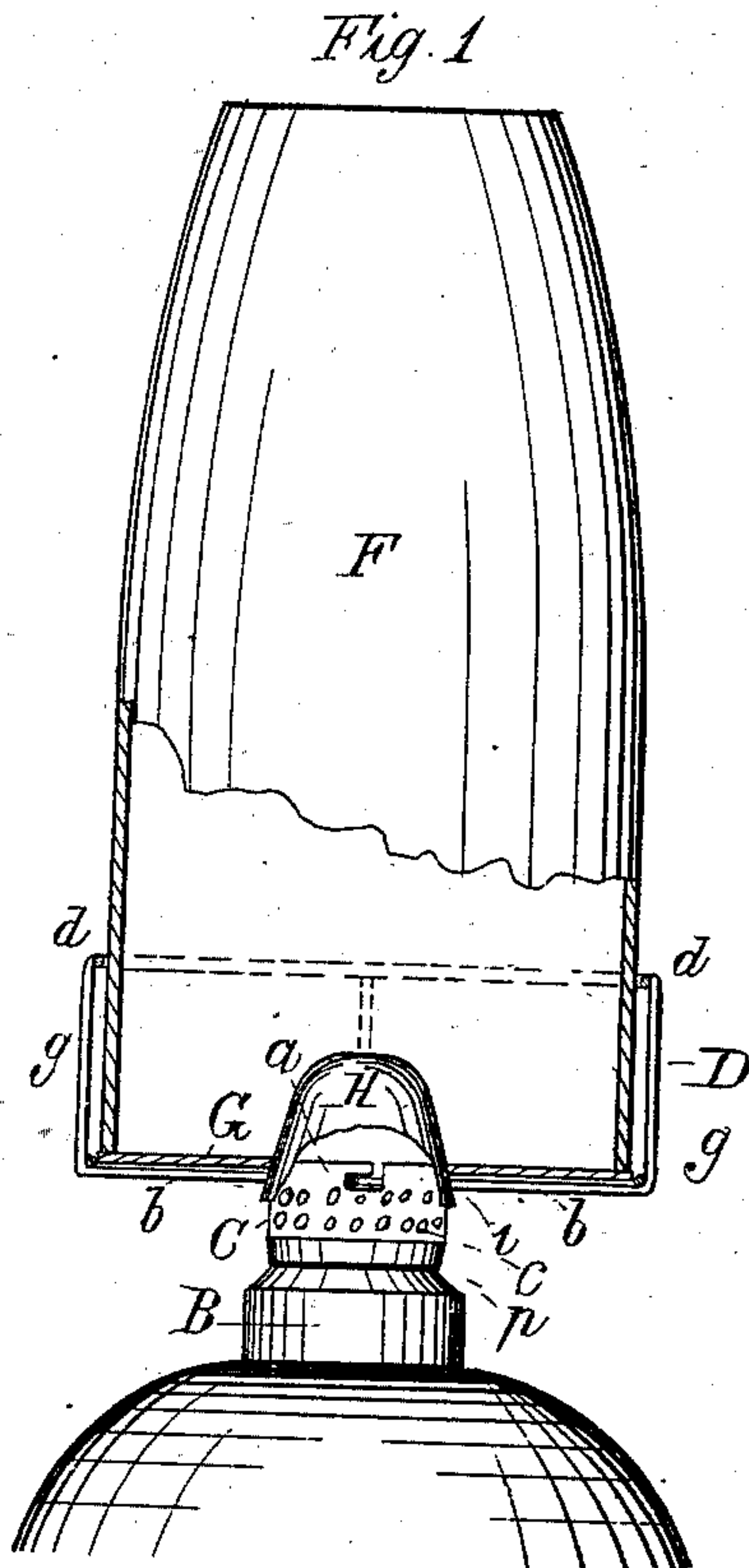


R. GORSLINE.

Lamp Burner.

No. 80,281.

Patented July 28. 1868.



Witnesses
J. Davis
W. J. Buchanan

Inventor.
Richard Gorsline
By J. Frank He
Attys.

United States Patent Office.

RICHARD GORSLINE, OF ROCHESTER, NEW YORK.

Letters Patent No. 80,281, dated July 28, 1868.

IMPROVEMENT IN LAMP-BURNERS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, RICHARD GORSLINE, of Rochester, in the county of Monroe, and State of New York, have invented a certain new and useful Improvement in Lamps; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings making part of this specification.

Figure 1 is a section of my improved attachment applied to the top of a lamp-body.

Figure 2, a perspective view of the device detached.

Like letters of reference indicate corresponding parts in both figures.

My invention consists in a removable frame for holding the chimney and its attachments to the lamp, and provided with a glass bottom-plate, for allowing a free and unobstructed passage of light downward, as herein-after set forth.

In the accompanying drawings, A indicates a portion of the lamp-body, and B its collar, with screw-top *p*. To the collar is secured a rim, C, which is provided with bayonet-slots *a a*, in which rest the bearings *b b* of frame D. The rim C has also numerous perforations *c c c*, for admitting a draught of air to the blaze.

The frame D is made of wire, or equivalent, having circular rims or guards *d d*, one above the other, (for holding and steadying the chimney F,) which are connected by vertical standards *g g* with the bearings *b b* that serve to support the glass bottom-plate G. The plate G has an opening in the centre, in which sets the loose cone H, the same being provided at its lower edge with notches *i i*, that rest over the bearings *b b* of frame D, to hold the cone in position, or arranged in any similar manner.

The great advantage of this device is, that by making the frame D for holding the chimney of open work, and the bottom of glass, the light will have a free and unobstructed passage downward, as well as outward, on all sides, and the least possible shade will be produced by the lamp itself.

In common lamps, the cap or bearing for sustaining the chimney is opaque, and projects so far as to cast a shadow for a considerable distance around, which is a source of great annoyance, and renders them very objectionable; besides, there is loss of light. By allowing the chimney a broad bearing at its base, and being held securely by the guards *d d*, it cannot easily tip over and get broken. And I economize all the light that is produced, there being no loss.

In addition to the above, the arrangement of the removable cone H, and the supporting-rim C, in connection with the frame, enables the parts to all be readily applied or removed.

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

The combination of the open frame D and transparent bottom-plate G, when arranged in connection with the removable cone H and fixed rim C, the whole as herein set forth.

In witness whereof, I have hereunto signed my name in the presence of two subscribing witnesses.

RICHARD GORSLINE.

Witnesses:

R. F. OSGOOD,

J. A. DAVIS.