

(No Model.)

A. FRENCH.
LAMP SUPPORTING DEVICE.

No. 290,026.

Patented Dec. 11, 1883.

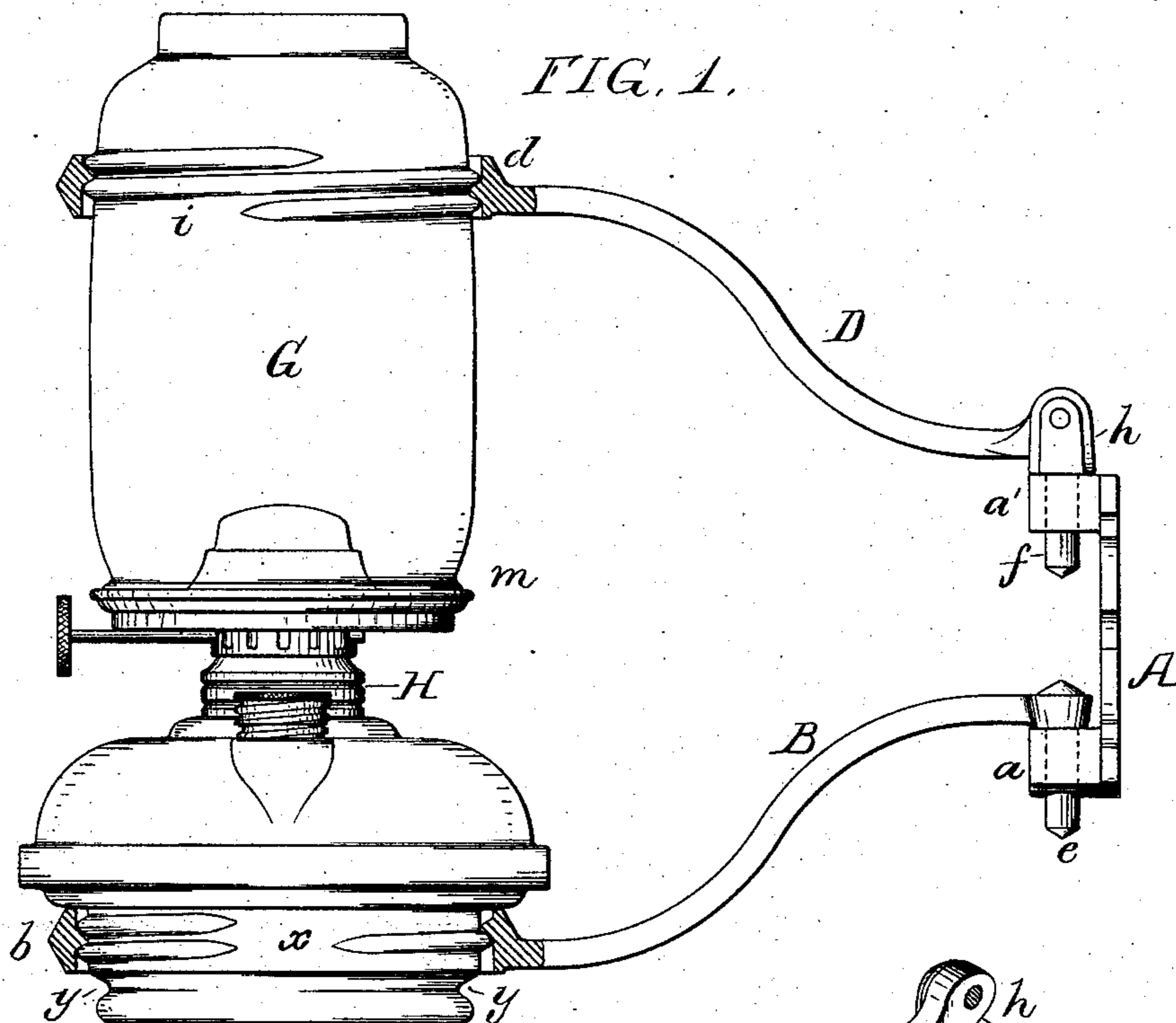
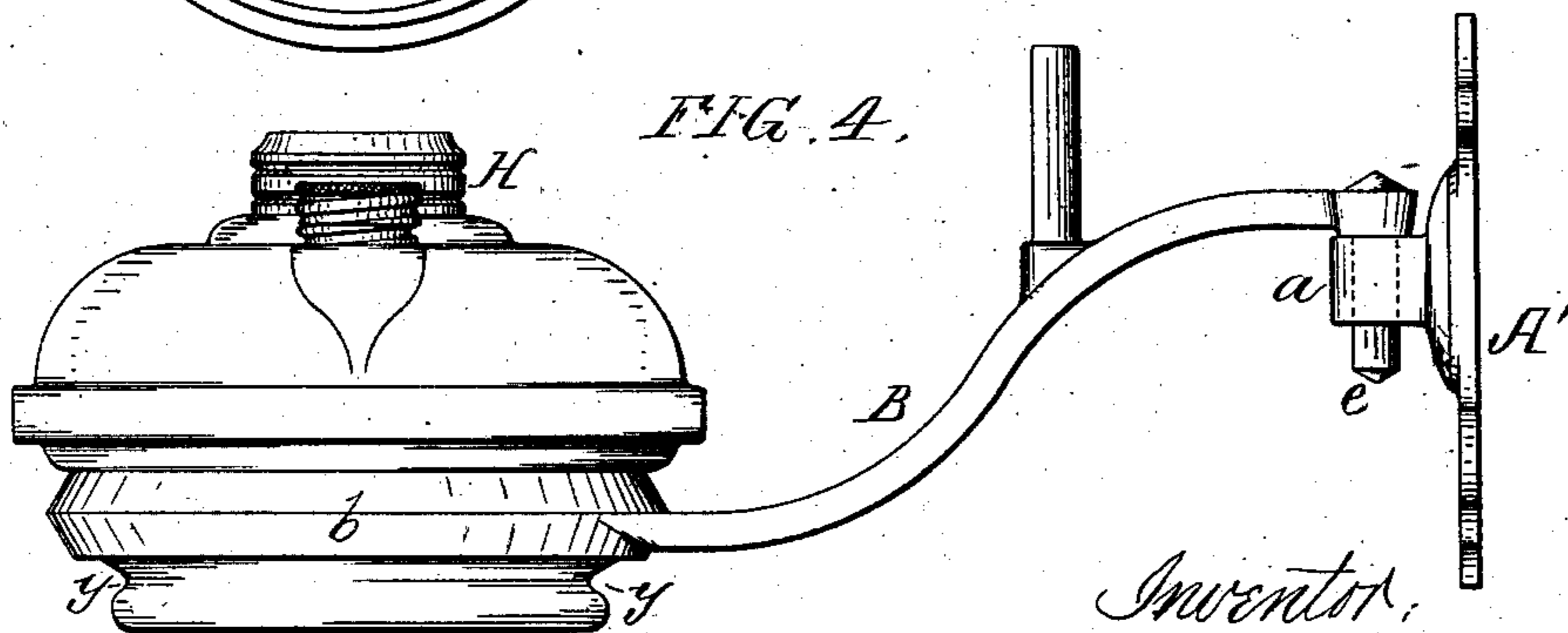
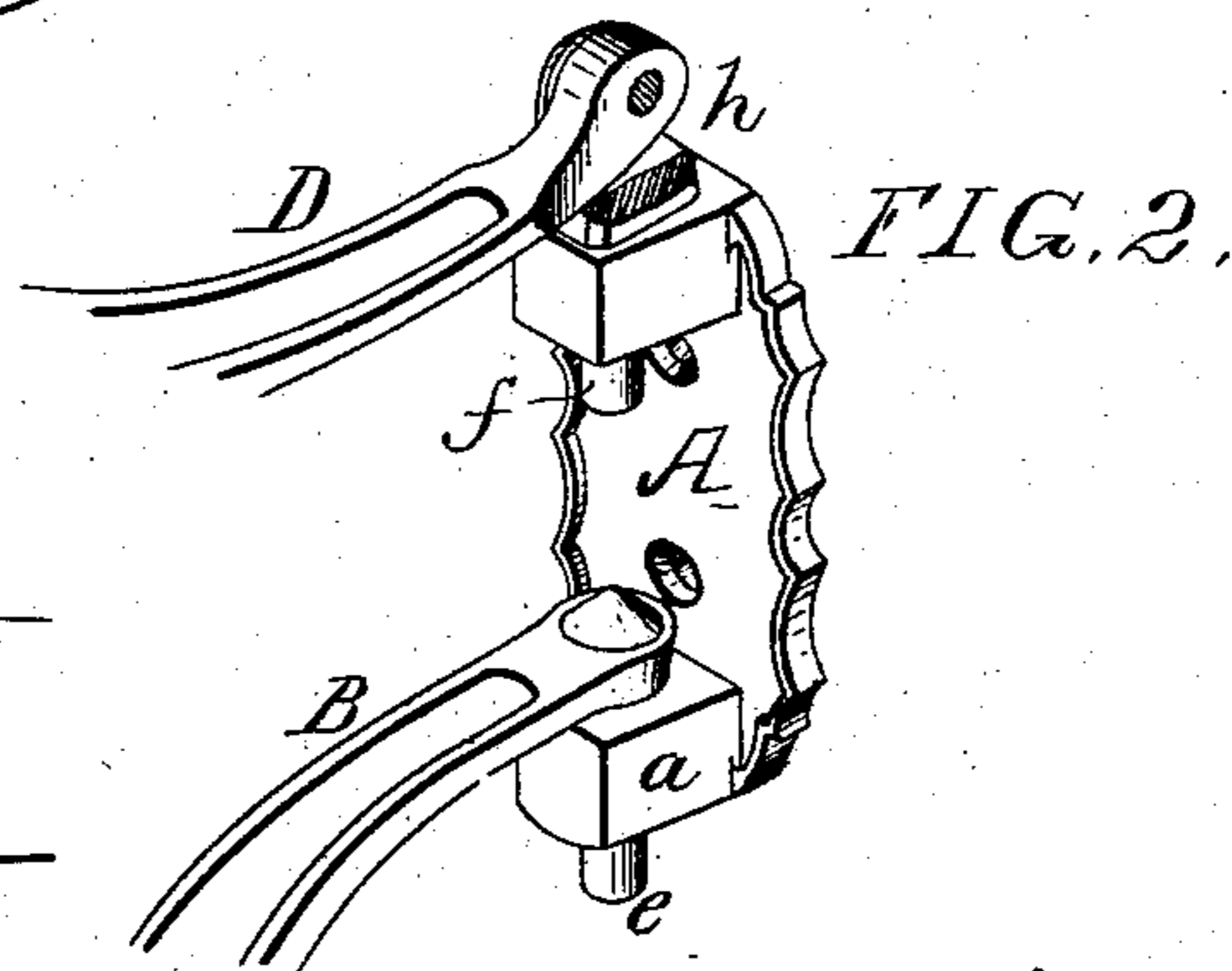
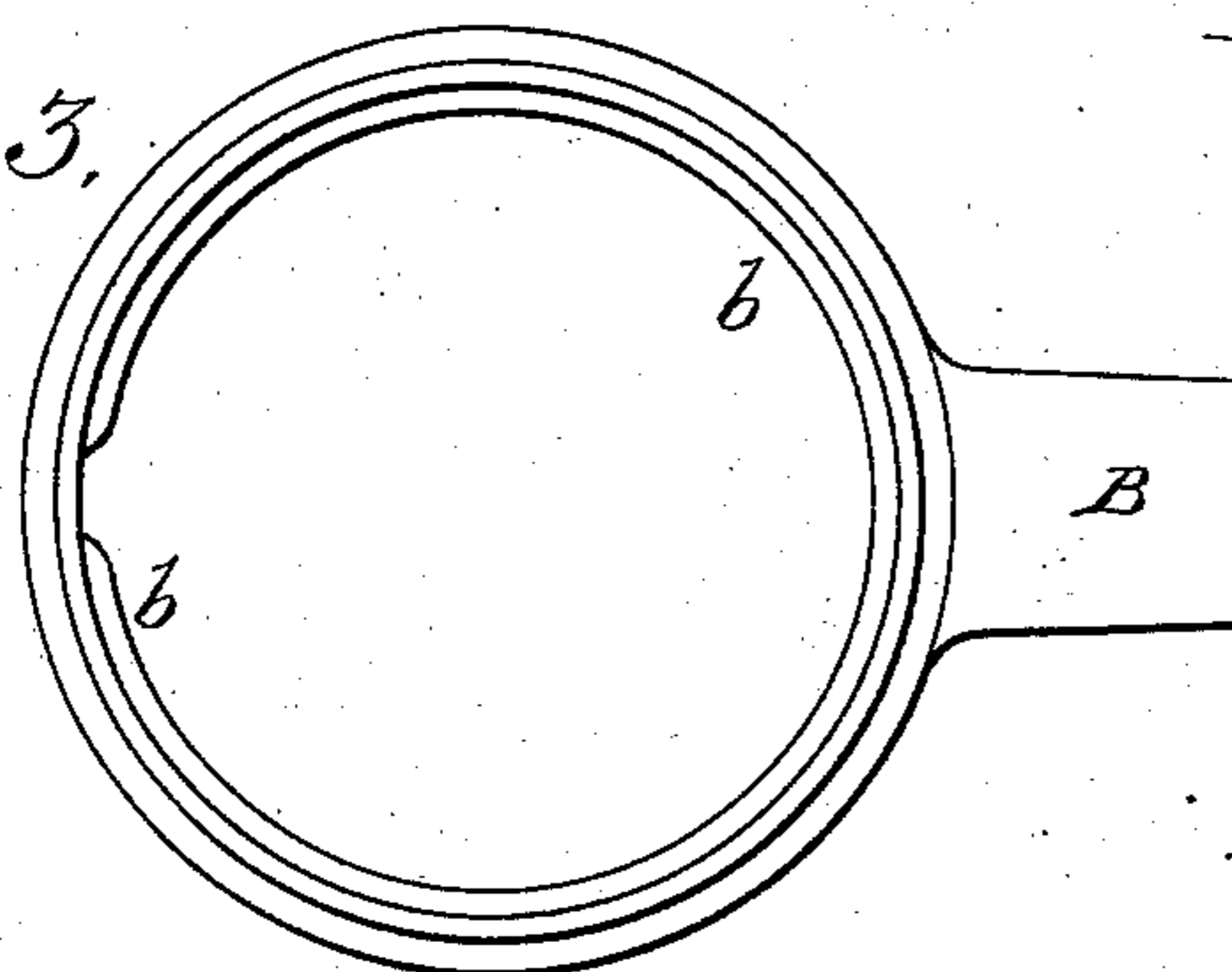


FIG. 3.



Witnesses:
A. E. McCormick
Henry Smith

Inventor:
Alonzo French
by his attorneys,
Howe and son

UNITED STATES PATENT OFFICE.

ALONZO FRENCH, OF PHILADELPHIA, PENNSYLVANIA.

LAMP-SUPPORTING DEVICE.

SPECIFICATION forming part of Letters Patent No. 290,026, dated December 11, 1883.

Application filed April 22, 1881. (No model.)

To all whom it may concern:

Be it known that I, ALONZO FRENCH, a citizen of the United States, residing in Philadelphia, Pennsylvania, have invented certain
5 Improvements in Lamp-Supporting Devices, of which the following is a specification.

My invention relates to lamp-supporting devices, one object of my invention being to so construct the support that the lamp cannot be
10 accidentally detached therefrom, and further objects being to insure a proper diffusion of the light, to prevent the accidental detachment of the chimney or globe from the burner, and to improve the construction of the lamp fountain or reservoir.

In the accompanying drawings, Figure 1 is a side view, partly in section, of a lamp-bracket and chimney-holder constructed in accordance with my invention; Fig. 2, a perspective
20 view of part of Fig. 1; Fig. 3, a plan view of part of Fig. 1, and Fig. 4 a side view of the pivoted lamp-bracket without the chimney-holder.

In Figs. 1 and 2, A is a plate secured to a wall or partition in the usual manner. To a
25 projection, *a*, on this plate A, is hinged an arm, B, which terminates in a ring, *b*, having an internal screw-thread adapted to a similar thread on the fountain of the lamp.

Instead of securing the fountain to the ring by a screw-thread, there may be in the ring a projection adapted to a groove, partly vertical and partly horizontal, in the fountain, so
30 as to form the well-known bayonet-joint. The screw-thread is, however, preferred.

Near the bottom of the fountain and below the threaded portion of the same is formed an annular groove, *y*, which is adapted for the reception of the confining-screws sometimes used
40 in connection with lamp-supporting devices, the fountain thus constructed being capable of more general use than if it possessed the screw-thread or bayonet-joint alone.

The arm B, its pivot-pin *e*, and ring *b* may be
45 economically made of cast-iron in one piece.

On the wall-plate A is another projection, *a'*, for the pivot *f* of a stud, *h*, to which is hinged an arm, D, the latter terminating in a ring, *d*, threaded internally, and adapted to the threaded
50 portion *i* of a chimney or globe, G, the lower end of which rests on the flange *m* of the burner H. The ring *d* and chimney or globe G may

also be constructed for attachment to each other by a bayonet-joint, or sections of a screw-thread may be adopted in securing the ring *b* to the fountain and ring *d* to the chimney, the modes
55 of fastening being always such that accidental detachment is rendered impossible. The pivot-pin of the arm D being in line with the pivot-pin of the arm B, the fountain, burner, and chimney or globe can be turned together to
60 any desired point, and ready access can be had to the burner of the lamp by turning the arm D and chimney upward on the stud *h*.

Fig. 4 shows the retaining-ring *b* and the arm B, having a pivot adapted to a single projection
65 on a wall-plate, A', this plan being used when the lamp-burner is furnished with an ordinary chimney.

As regards the retaining-ring for the fountain, it may be remarked that it can be used in
70 connection with wire hangers or other supports than the arm B, its tendency to cast a shade being much less than the fountain-receiving cups or sockets of ordinary lamp-brackets. The ring *d* is secured to the chimney or globe
75 G at such an altitude above the flame of the lamp that it cannot detract from the proper effect of the flame.

In making a continuous screw-thread on the lamp-fountain, fins or projections are formed
80 thereon at the mold-joints, which interfere with the proper application of the ring *b* to the lamp; hence, in carrying out my invention, I discontinued the thread for a short distance on each side
85 of the parting of the mold, so as to form a blank space, *x*, this discontinuance of the thread not being of sufficient extent to interfere with its proper retaining and supporting duty.

I claim as my invention—

1. The combination of the wall-plate with the arm B, pivoted thereto, and provided with an open ring, *b*, constructed for attachment to the fountain of a lamp, substantially as set forth.

2. The combination of the wall-plate of a lamp-supporting bracket with a lamp-supporting-arm, B, pivoted to said plate, so as to swing laterally, and with a globe or chimney supporting arm, D, pivoted to the plate independently of the arm B and free to swing vertically, as set
95 forth.

3. The combination of the wall-plate, the lamp-supporting arm B, pivoted to the said plate, the stud *h*, also pivoted to the plate, and

the chimney-supporting arm D, hinged to the stud, all substantially as specified.

4. The combination of the lamp-supporting arm or hanger with a cast-metal ring having an internal screw-thread or equivalent means of securing a lamp-fountain thereto, as set forth.

5. The lamp fountain or reservoir having near the bottom an annular groove, *y*, and above said groove a screw-thread or equivalent means

of attaching the fountain to a support, as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ALONZO FRENCH.

Witnesses:

ARMER F. McCORMICK,

HARRY SMITH.