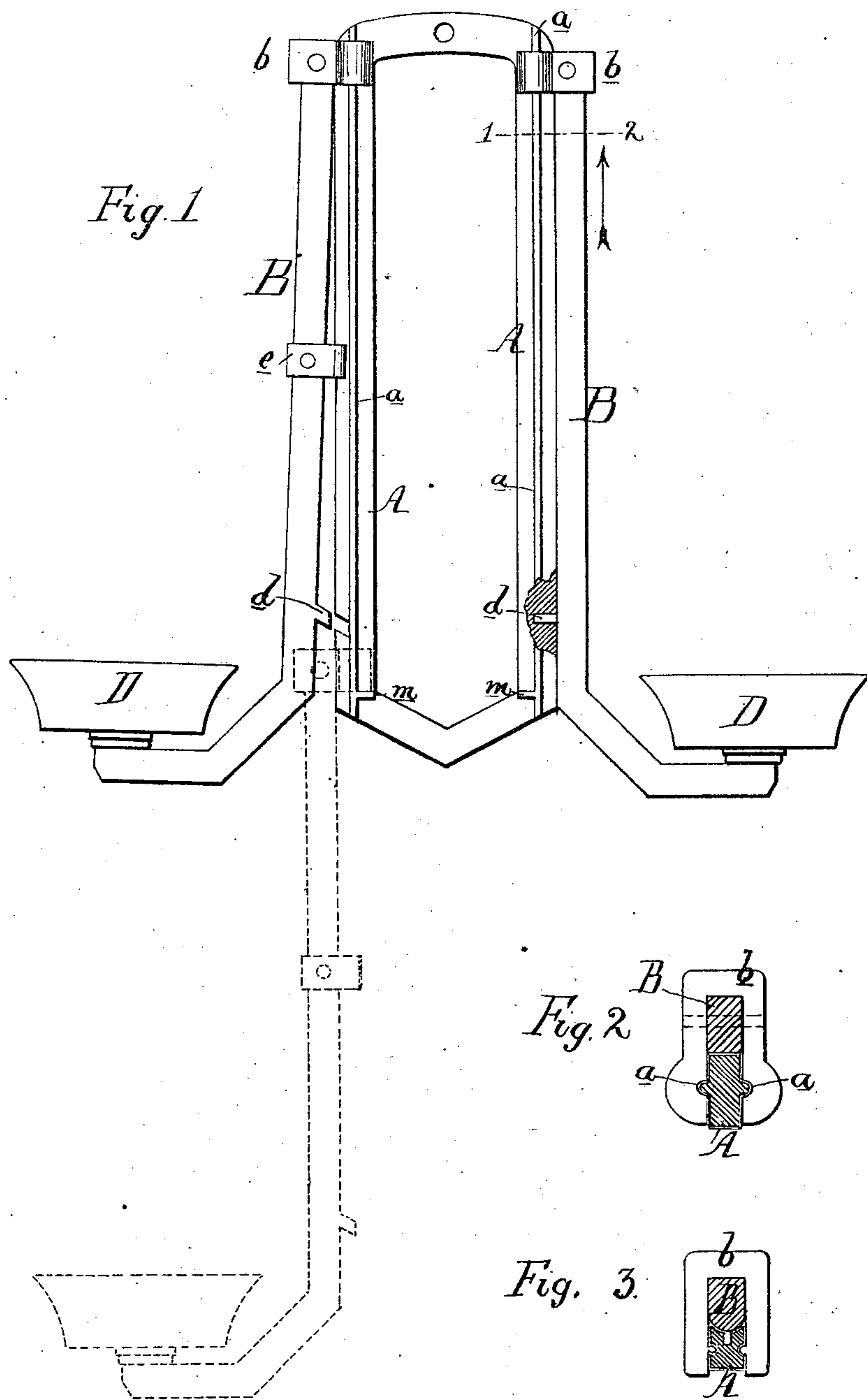


J. C. LOVE.  
Drop-Light.

No. 159,941.

Patented Feb. 16, 1875.



Witnesses, Harry Smith.  
Thomas McPherson

John C. Love  
by his attor.  
Hudson and son

# UNITED STATES PATENT OFFICE.

JOHN C. LOVE, OF PHILADELPHIA, PENNSYLVANIA.

## IMPROVEMENT IN DROP-LIGHTS.

Specification forming part of Letters Patent No. 159,941, dated February 16, 1875; application filed December 26, 1874.

*To all whom it may concern:*

Be it known that I, JOHN C. LOVE, of Philadelphia, Pennsylvania, have invented Improvements in Drop-Light Chandeliers, of which the following is a specification:

The object of my invention is to construct a chandelier for lamps in such a manner that the lamp-holders can be readily lowered when they have to be replenished, and as readily raised; and this object I attain in the manner which I will now proceed to describe, reference being had to the accompanying drawing, in which—

Figure 1 is a side view of a chandelier made according to my invention; Fig. 2, a section on the line 1 2, looking in the direction of the arrow; and Fig. 3, a section illustrating a modification of my invention.

A is the permanent frame of the chandeliers, and is secured at the top to the ceiling of a room in any suitable manner. On each vertical portion of this frame are formed guides *a a* for a slide, *b*, to which is connected the upper end of the arm B, the latter carrying the lamp-holder D. Each arm B has, near its lower end, a pin or projection, *d*, adapted to a recess in the frame, and serving to maintain the said arm in its proper elevated position.

After moving the arm B outward, as shown on the left of Fig. 1, until its pin *d* is withdrawn from the recess in the frame, the said arm can be lowered to the position indicated by dotted lines, where it will be at a proper altitude to permit the easy removal of the lamp, or to allow ready access to the wick when it has to be trimmed, or when the lamp

has to be lighted or replenished with oil, after which the arm B can be elevated and permitted to resume its former vertical position against the frame, where it will be locked by the pin *d*.

In order to insure the lateral steadiness of each arm B, I sometimes provide it with a projection, *e*, to embrace the frame, and thereby steady the arm laterally without interfering with its outward movement; or I make in that edge of the frame which is adjacent to the arm a concave or V-shaped groove, adapted to a corresponding rib on the arm. (See Fig. 3.)

To prevent the entire withdrawal of the lamp-carrying arm from the frame, I make on or attach to the latter a suitable stop, *m*.

When my invention has to be applied to a wall-lamp, a guide or guides may be secured to the wall and lamp-carrying arms adapted to the guides, in the manner described above.

I claim as my invention—

A lamp-chandelier in which are combined a fixed frame having a guide or guides with one or more lamp-supporting arms, each hinged to a slide adapted to the guide, and having a retaining-pin adapted to a notch or notches on the said fixed frame, all substantially as set forth, for the purpose specified.

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

JOHN C. LOVE.

Witnesses:

HARRY SMITH,  
HUBERT HOWSON.