

(No Model.)

A. ROELOFS.

LAMP HOLDER.

No. 261,385.

Patented July 18, 1882.

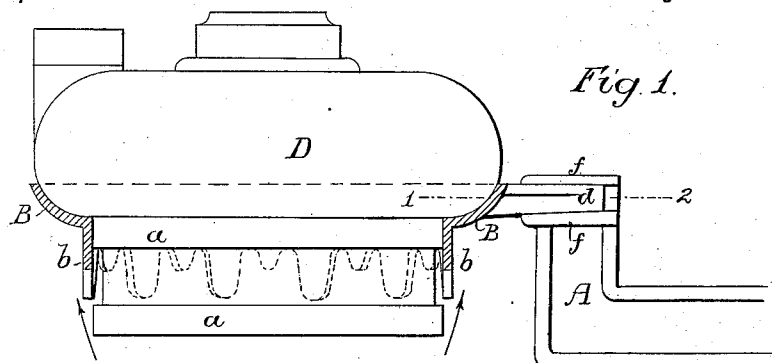
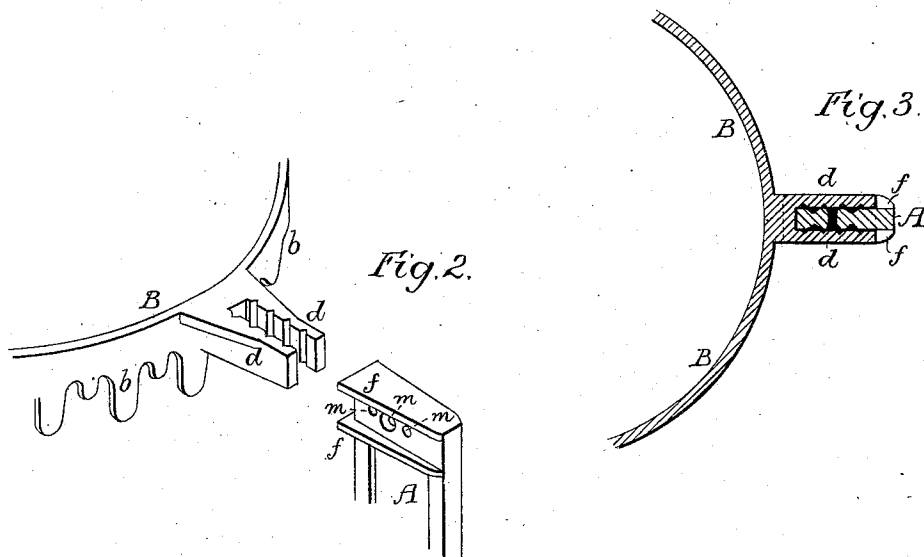
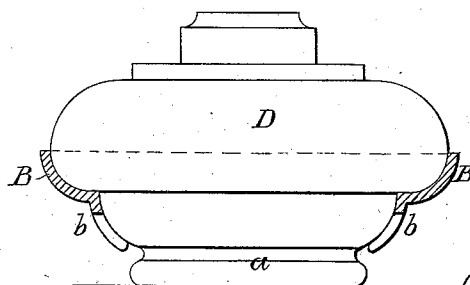


Fig. 4.



Witnesses

Harry Drury
Harry Smith

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by his Attorneys
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UNITED STATES PATENT OFFICE.

ANTHONY ROELOFS, OF PHILADELPHIA, PENNSYLVANIA.

LAMP-HOLDER.

SPECIFICATION forming part of Letters Patent No. 261,385, dated July 18, 1882.

Application filed June 16, 1882. (No model.)

To all whom it may concern:

Be it known that I, ANTHONY ROELOFS, a citizen of the United States, and a resident of Philadelphia, Pennsylvania, have invented certain Improvements in Lamp-Holders, of which the following is a specification.

One object of my invention is to so construct a lamp-holder that the accidental overturning of the lamp-fountain will be prevented, a further object being to provide a means of connecting the lamp-supporting ring to the bracket-arm, whereby expensive fitting is rendered unnecessary.

In the accompanying drawings, Figure 1 is a side view, partly in section, of a lamp and lamp-holder illustrating my invention, part only of the bracket-arm being shown. Fig. 2 is a perspective view of part of the lamp-holder and bracket-arm; Fig. 3, a sectional plan on the line 1 2, Fig. 1; and Fig. 4, a view illustrating a modification of one of the features of the invention.

A represents part of the bracket-arm of a lamp-holder, B the lamp-supporting ring, and D the fountain or reservoir of the lamp. The latter has a curved body adapted to the concave ring *b*, and below the curved body of the fountain there is a cylindrical projection, *a*, to which fit snugly the projections *b* on the under side of the ring. By this means I prevent any such tilting of the lamp-fountain as would cause the same to be overturned, for some point on the ring B must serve as a fulcrum for any such tilting movement, and hence extended movement will be resisted by the projections *b* of the ring, the latter coming into contact with the lower portion of the projection *a* of the lamp when the latter commences to tilt, as shown by the arrows in Fig. 1.

An annular flange may take the place of the projections *b*, or the latter may be made in the form of inwardly-curved prongs, adapted to a lamp-fountain having a contracted rib or shoulder at the base, as shown in Fig. 4, the retaining action of the prongs in the latter case being substantially similar to that of the projections shown in Fig. 1.

Lamp-holding rings are usually connected to the bracket-arms by forming on the ring a tapering vertical socket adapted for the reception of a tapering vertical projection on the arm. Such construction is objectionable, because, owing to irregularities in casting, there can be no accurate and uniform fitting of the parts as they come from the mold and the projection or socket, or both, must be trued

to insure a proper fit, thereby increasing the cost of the bracket.

In carrying out my invention I form on the ring two lateral projections, *d d*, adapted to embrace the end of the bracket-arm A, and to fit between ribs *ff* on the latter, the parts being so proportioned that slight differences in the expansion and contraction of the metal in cooling will not prevent the ready adaptation of the parts to each other.

To secure the parts together I rely upon a cementing medium, preferably plaster-of-paris, the latter being applied to one or both of the parts before the same are fitted together, and serving, when set, to effectually resist the separation of said parts.

In order that the cement may take a firm hold upon the parts, I prefer to rib or roughen the inner faces of the projections *d*, and to form in the end of the arm A an opening or openings, *m*, to which the cement can gain access.

Instead of plaster-of-paris, I may use other cements, which can be applied in a liquid or plastic state, and which will harden or become set on drying or cooling, the plaster-of-paris being preferred because, in drying, it has a tendency to expand, and thus insures the security of the joint.

I claim as my invention—

1. The combination of a lamp-fountain having a shoulder or projection, *a*, with a lamp-supporting ring having on the under side projections *b*, adapted to engage with said projection or shoulder *a* and prevent the tilting of the fountain, as set forth.

2. The combination of the bracket-arm with the lamp-supporting ring having lateral projections *d* embracing said arm and secured thereto by cement, as set forth.

3. The combination of the lamp-supporting ring B, having lateral projections *d*, the bracket-arm A, having ribs *f*, and the cement, whereby said parts are secured together, as set forth.

4. The combination of the lamp-supporting ring having lateral projections *d*, the bracket-arm having ribs *f* and opening or openings *m*, and the cementing material, as set forth.

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

ANTHONY ROELOFS.

Witnesses:

HARRY DRURY,
HARRY SMITH.