

D. C. RIPLEY.

Methods of Attaching Metallic Handles to Lamp-Bowls.

No. 151,435.

Patented May 26, 1874.

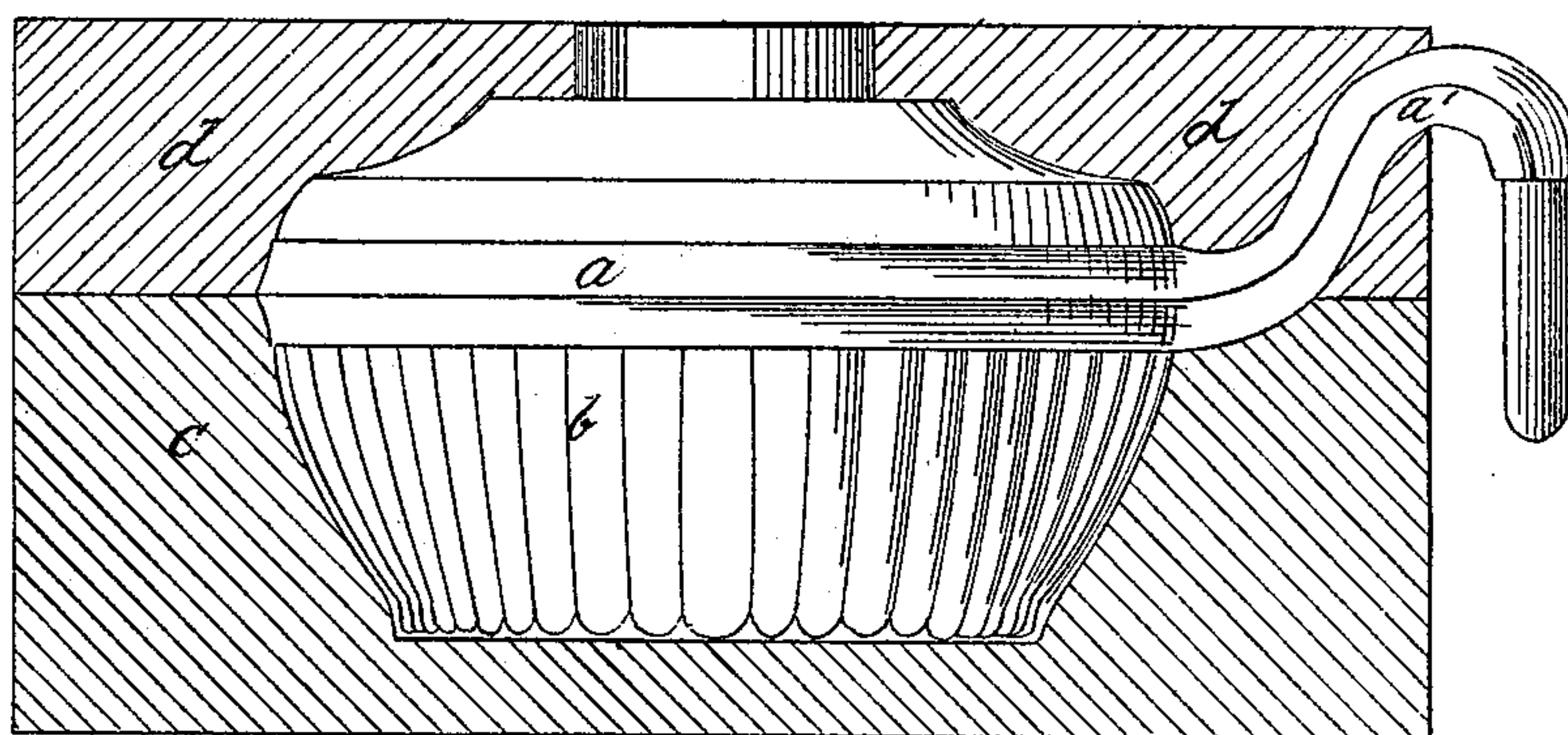
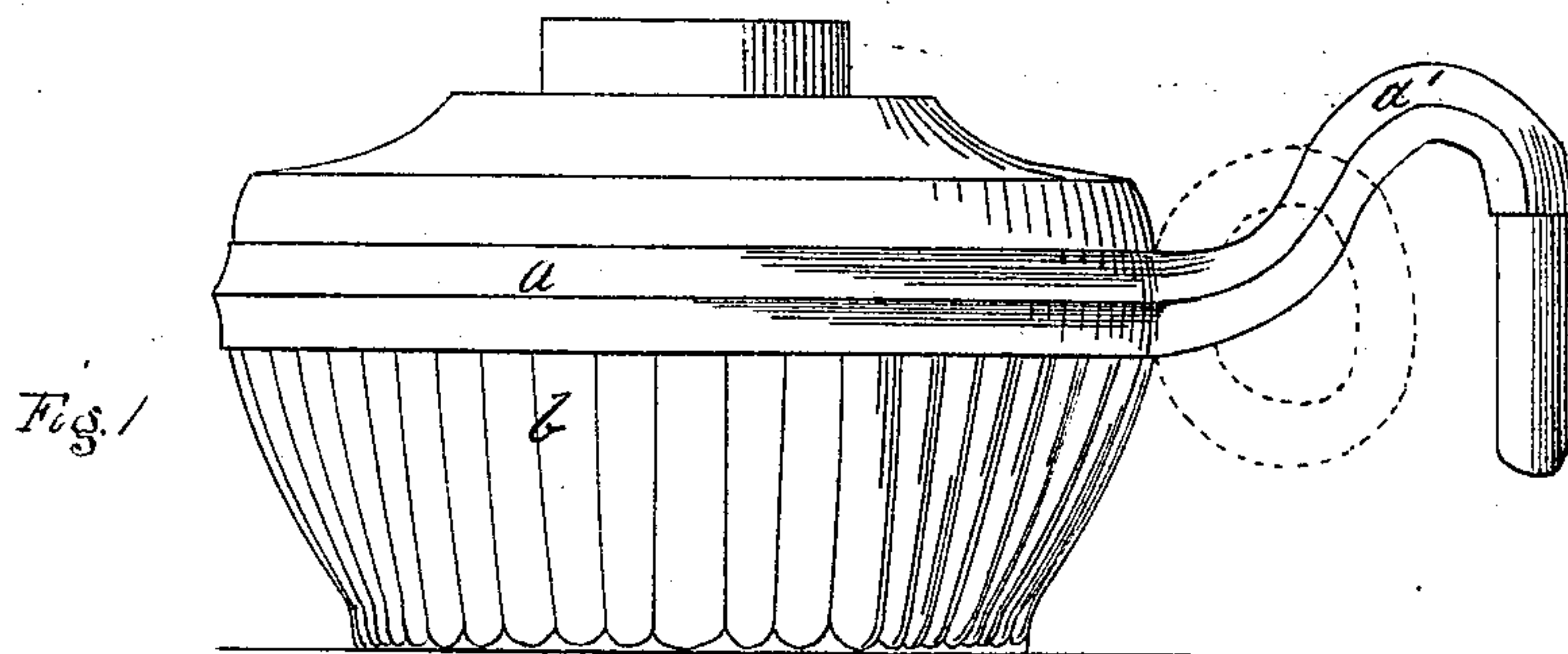


Fig. 2

WITNESSES

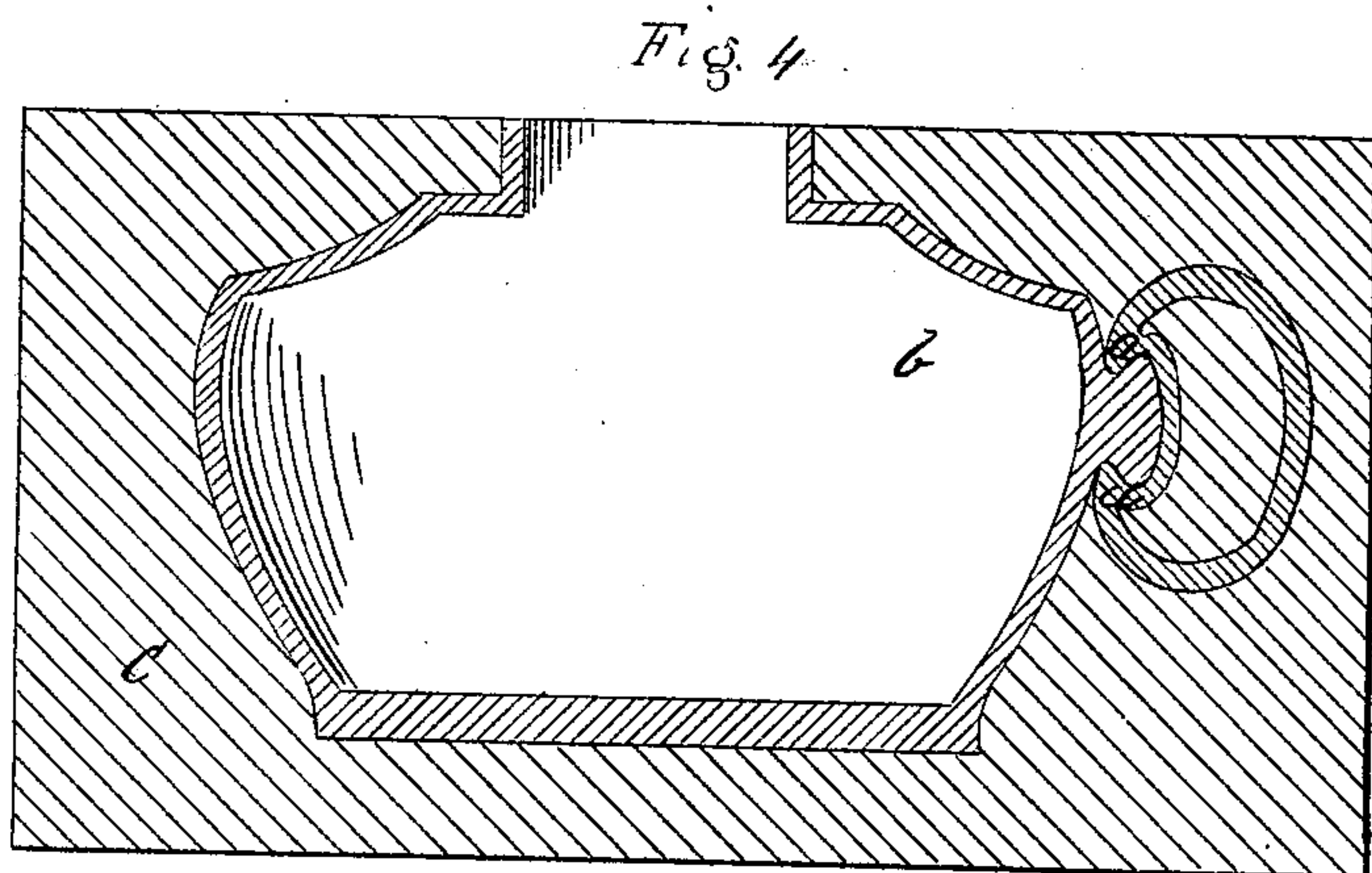
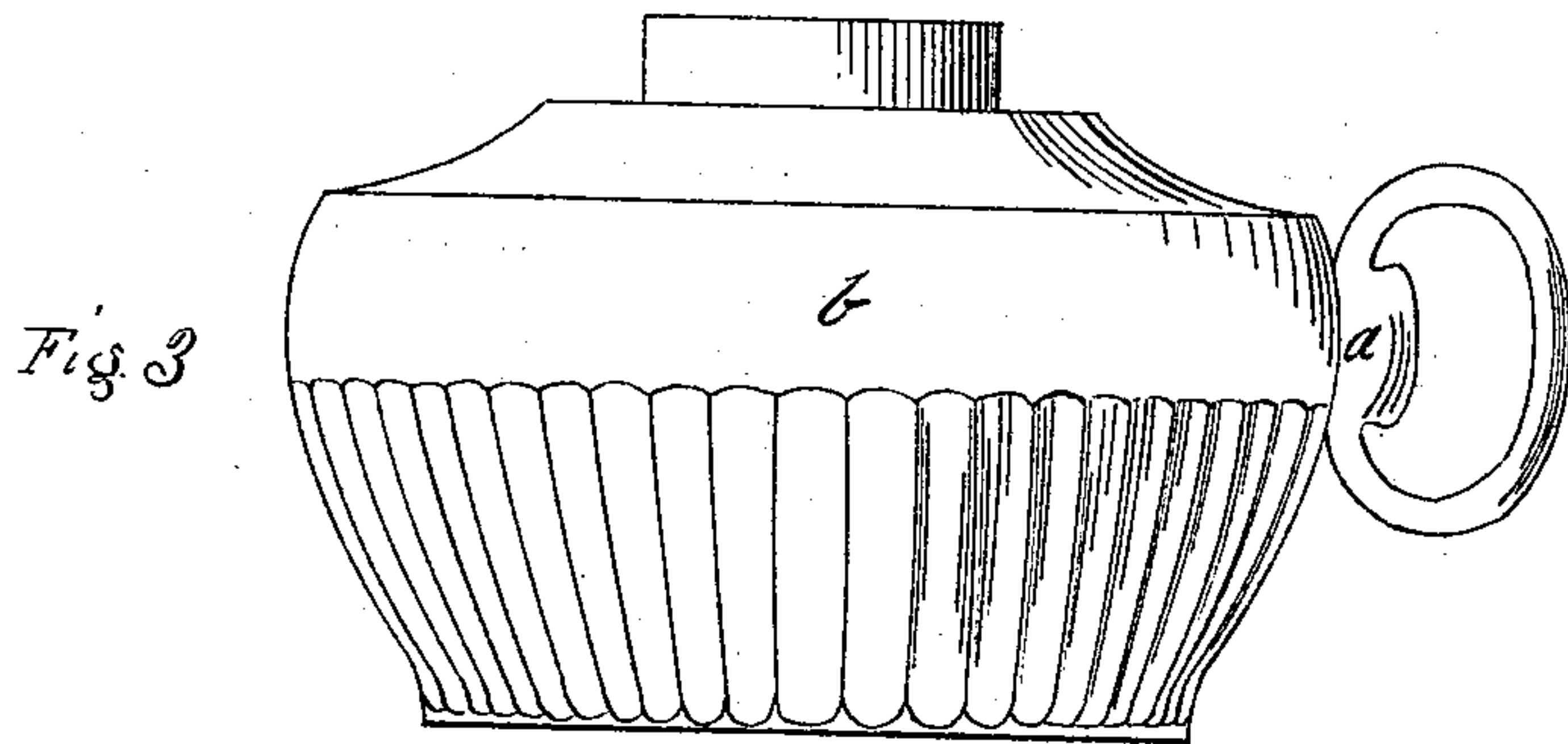
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UNITED STATES PATENT OFFICE.

DANIEL C. RIPLEY, OF PITTSBURG, PENNSYLVANIA.

IMPROVEMENT IN THE METHODS OF ATTACHING METALLIC HANDLES TO LAMP-BOWLS.

Specification forming part of Letters Patent No. 151,435, dated May 26, 1874; application filed April 28, 1874.

To all whom it may concern:

Be it known that I, DANIEL C. RIPLEY, of Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Method of Attaching Metallic Handles to Lamp-Bowls, &c.; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawing making a part of this specification, in which—

Figure 1 is a view of the lamp-bowl and metallic piece, showing the form preferred of carrying out my invention. Fig. 2 is a section of a mold and lamp, showing the method of securing the metallic piece in the mold. Fig. 3 shows one of many modifications which may be adopted, and Fig. 4 is a modified form of mold as required by the form shown in Fig. 3.

Like letters refer to like parts in the several figures.

My invention relates to the method of attaching metallic handles or band-pieces to lamp-bowls or similar articles wherein the bowl is of glass; and it consists in blowing the bowl or a portion thereof within a metallic band, whereby a permanent connection between the band and the bowl is effected.

Heretofore articles of glassware, such as lamps, mugs, &c., have been provided with glass handles; or if metallic handles were used, then the handle and bowl have been united by means of a suitable cement. The object of my invention is to attach securely the lamp to the handle without the use of cement, and this I do at the time the lamp is blown, in the manner as hereinafter more specifically set forth.

In order to enable others skilled in the art to make and use my invention, I will proceed to describe its construction and manner of use.

a indicates the band, of the form preferred, which is placed horizontally in the mold, Figs. 1 and 2, and made to encircle the bowl *b*. In Fig. 1 it is shown at or about the middle of the lamp; but in all cases the band is preferably so applied as to make a secure union between it and the lamp, and avoid unnecessary weight on the bearing-point. *c* and *d* indicate the mold in which the lamp is blown. (See Fig. 1.) A three-part mold is

used, the lower part *c* being a single piece, receiving the base of the lamp. Within a recess in the upper part of the mold *c* is placed the band *a*, and the upper sections of the mold, which are two in number, are then placed in position, the band *a* being held securely. The bowl *b* is then blown in the usual manner, filling out the mold so as to protrude slightly beyond the upper and lower edges of the band, so that in the completed article the band is seated in a recess encircling the lamp-bowl or other article. This construction gives the most secure attachment between the two, the bearing of the lamp on the ring or band being equally distributed.

In the modification, Figs. 3 and 4, the same principle is involved, the band being placed vertically in the mold, and a portion of the lamp-bowl *b* being blown within the encircling band *a*. In this case a two-part mold may be used. The band *a* in each instance may be provided with the portion *a*, forming a bracket to be received into a suitable clip, eye, or socket attached to the wall, lamp-stand, or other suitable device, or may be bent, as shown in dotted lines, to form a handle for convenience in carrying.

The advantages of this construction are, the perfect security with which the metallic band or handle is attached to the bowl, it being impossible to disconnect the two except by breaking the bowl; the avoidance of the use of cement on portions of the lamp liable to wear or work loose; and the completion of the lamp at one operation, avoiding unnecessary handling and labor in the manufacture.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

The method herein described of uniting the band or handle and bowl of a lamp or similar article, by blowing the lamp or a portion thereof within the band, substantially as specified.

In testimony whereof I, the said DANIEL C. RIPLEY, have hereunto set my hand.

DANIEL C. RIPLEY.

Witnesses:

W. N. PAXTON,
JAMES I. KAY.