(Model.)

D. C. RIPLEY.

HOLLOW STEM LAMP.

No. 249,676. Patented Nov. 15, 1881.

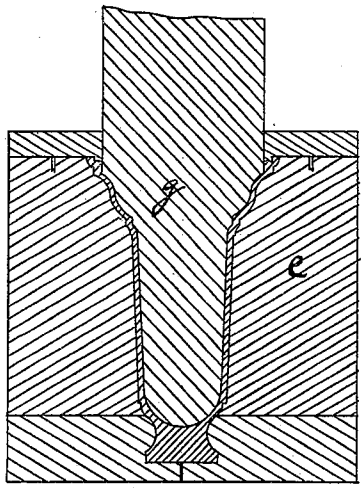


Fig. 1.

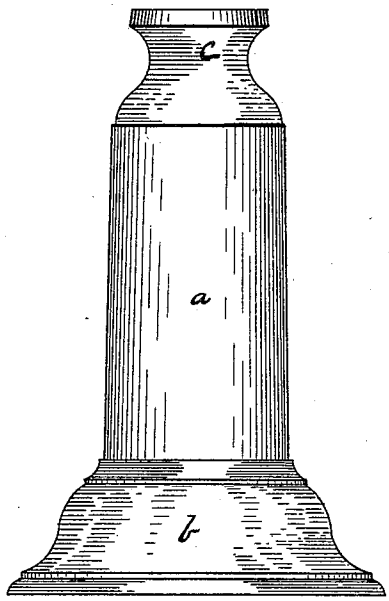


Fig. 2.

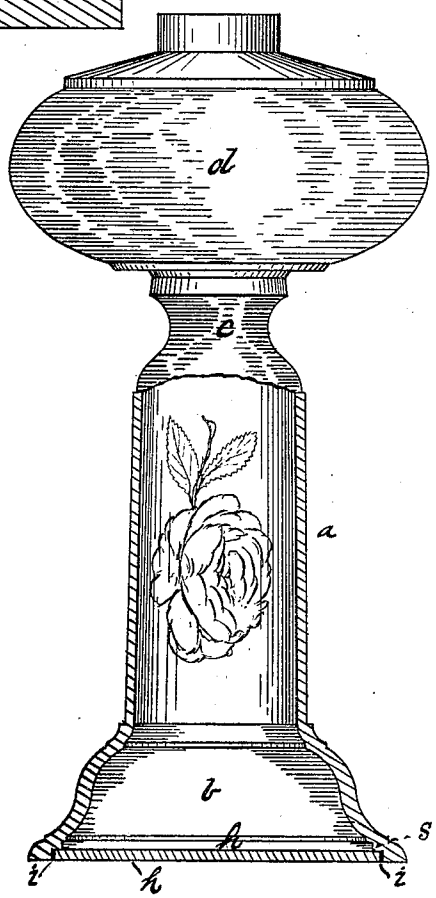


Fig. 3.

Witnesses—
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UNITED STATES PATENT OFFICE.

DANIEL C. RIPLEY, OF PITTSBURG, PENNSYLVANIA.

HOLLOW-STEM LAMP.

SPECIFICATION forming part of Letters Patent No. 249,676, dated November 15, 1881.

Application filed July 5, 1881. (Model.)

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 Hollow-Stem Lamps; and I do hereby declare the following to be a full, clear, and exact description thereof.

My invention relates to the construction of ornamented or decorated pedestals for lamps and like articles.

Heretofore, so far as I am aware, the column, stem, or pedestal of this class of decorated ware has been formed independently or separately from the foot or base, and in the shape of a hollow cylinder, which, after having been decorated or ornamented upon its inner surface, has been united to bowl and foot or base by metal collars, center rods or bolts, and like devices, the foot or base piece being usually of metal, though sometimes of other material. The objections to such a construction are the cost of production, the lack of stability of the union between the parts, and the number of joints which admit fluids to the hollow stem, resulting in the injury of the decorations.

The object of my invention is to overcome these objections; and to this end it consists in forming the column or stem of substantially uniform thickness throughout to admit of the application of interior decoration and the display thereof, and integral with the foot or base, which latter is closed by a disk that may be cemented or otherwise secured, so as to hermetically close the cavity and protect the ornamentation, all as will hereinafter more fully appear.

To enable others skilled in the art to make and use my invention, I will now describe it by reference to the accompanying drawings, in which—

Figure 1 shows, by a vertical section, the method of forming my improved hollow pedestal and foot. Fig. 2 is a side elevation of the same after it has been formed; and Fig. 3 is a side view of the lamp, with the pedestal shown in sections.

Like letters of reference indicate like parts in each.

The pedestal *a* is hollow, preferably of cylindrical form, and slightly tapering to permit of its being pressed; has walls of uniform, or nearly uniform, thickness throughout, to admit of a proper display of the decoration, which is applied to the inner surface of the pedestal, and is formed integral with the base or foot *b*, and with a peg, *c*, for the attachment of the lamp-bowl *d*. A shoulder or seat, *s*, is usually formed on the interior of the base or foot for the reception of a disk or plate which closes the bottom of the pedestal.

h indicates the bottom disk for closing the cavity of the stem and foot, which, when in position, rests against the shoulder or seat *s*, and is secured by cement or in other suitable manner. The stem or pedestal and foot are formed in one in suitable molds *e* by means of the plunger *g*, being pressed from the bottom. After being properly annealed, the pedestal *a* is decorated on the inside by any of the processes of decoration known in the arts. The bowl *d* is attached to the pedestal by means of a ferrule or otherwise, or by being blown upon the pedestal *a* in the process of manufacture, and the open lower end of the pedestal *a* is closed by means of a suitable disk, *h*, which may be secured by cement *i*, or by means of a bolt extending down through the center of the pedestal, or in any other suitable manner. Where the rod or bolt fastening is adopted it would be well to use a packing or cement to exclude moisture and secure a tight joint between the disk and pedestal. The purpose of this is to close the center of the hollow pedestal, so that the decoration therein shall not be destroyed or mutilated or in any way hurt or affected by the use or cleaning of the lamp. Hence I prefer to make the joint between the disk *h* and the sides of the pedestal watertight.

The advantages of this construction are that the pedestal is easily and quickly made, that it is more easily decorated, that the lamp is cheaper and equally as handsome as those heretofore made, in which the pedestal was separate from the foot, and that the device or disk for closing the lower end of the pedestal is easily and quickly put in place.

I am aware that a hollow stem and foot or base formed in a single piece is not new, and do not claim the same, for as heretofore con-

structed the stem or pedestal was not adapted to display internal decoration, and the cavity was not closed by a disk to protect any ornamentation which might have been applied thereto. Therefore

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

A transparent pedestal and base or foot formed in a single piece, the walls of the pedestal being of substantially uniform thickness throughout, and adapted to display internal decoration or ornamentation, in combination with a disk or plate adapted to hermetically close the pedestal and foot in order to protect any ornamentation applied to the inner surface of the pedestal, substantially as specified.

In testimony whereof I have hereunto set my hand.

DANIEL C. RIPLEY.

Witnesses:
T. B. KERR,
JNO. K. SMITH.