

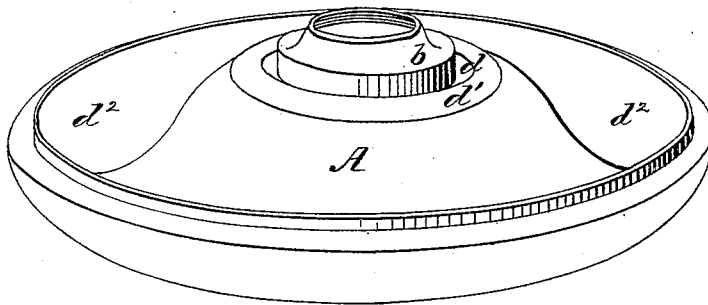
J. S. & T. B. ATTERBURY.

Combined Lamp-Shades and Drip-Cups.

No. 145,548.

Patented Dec. 16, 1873.

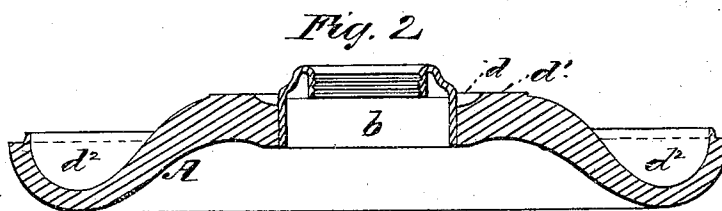
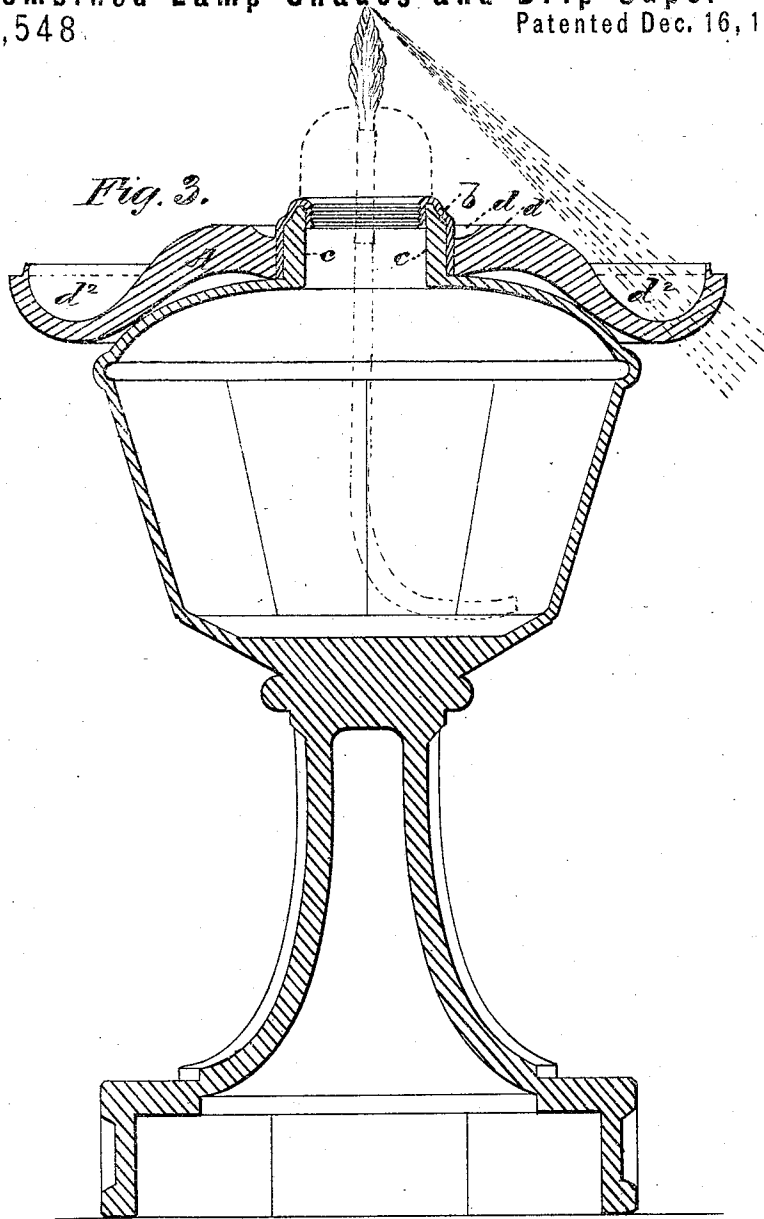
Fig. 1



Witnesses.
James Martin Jr.
J. A. Campbell.

Inventor.
James S. Atterbury
Thomas B. Atterbury
by
Wm. H. H. H. H. H.

J. S. & T. B. ATTERBURY.
Combined Lamp-Shades and Drip-Cups.
 No. 145,548. Patented Dec. 16, 1873.



Witnesses:
James Martin Jr.
J. N. Campbell.

Inventor:
James S. Atterbury
Thomas B. Atterbury
by
Marion, Newcomb & Lawrence

UNITED STATES PATENT OFFICE.

JAMES S. ATTERBURY AND THOMAS B. ATTERBURY, OF PITTSBURG, PA.

IMPROVEMENT IN COMBINED LAMP-SHADES AND DRIP-CUPS.

Specification forming part of Letters Patent No. 145,548, dated December 16, 1873; application filed November 14, 1873.

To all whom it may concern:

Be it known that we, JAMES S. ATTERBURY and THOMAS B. ATTERBURY, of Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented a Combined Lamp-Shade and Drip-Cup, for use upon the ordinary "hand-lamp;" and we do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the annexed drawings making part of this specification, and to the letters of reference marked thereon.

Figure 1 is a perspective view of our combined lamp-shade and drip-cup. Fig. 2 is a vertical central section thereof, and Fig. 3 is a sectional view illustrating its application to a common hand-lamp.

The object of our invention is to provide the common hand-lamp, first, with a drip-cup to prevent the overflow-oil from running down upon the outside of the bowl or oil-reservoir of the lamp, and, second, with a "shade," which shall measurably subserve the purpose of the ordinary shade to lamps.

To this end we construct an open glass shade of circular form, as shown in Figs. 1, 2, and 3, which is permanently attached by the well-known mode of cementing to a lamp-collar, *b*, which, by like means, is attached to the neck *c* of the bowl of a lamp, as represented in Fig. 3.

This shade may be made of a greater diameter than that of the bowl of the lamp on which it is to be used, in order that the rays of light from the burning wick may be projected through the combined shade and drip-cup at such proper angle from the flame of the lamp as shall enable a person to sit at a convenient distance from the lamp, and have the light fall upon a paper or book he may be reading.

This shade and drip-cup we make either of transparent, translucent, or semi-opaque glass, as may be desirable.

By reference to the drawings, it will be seen that we have formed an annular depression, *d*, in the drip-cup shade at its junction with collar *b*, which depression will, in the first instance, receive any overflowing oil or fluid which may escape in raising the wick to fill the lamp; and in trimming the wick, should

any of its charred refuse fall, it will be likely to be caught by such depression or upon the plane-faced portion *d*¹, exterior to the annular depression *d*. Should, however, the overflow for any reason be greater than the capacity of the channel *d*, the still greater annular depression or drip-reservoir *d*² will effectually prevent the running of the oil over the exterior of the lamp and its escape therefrom upon the floor of the room in which the lamp is used, as well as from smearing the hand of the person who may happen to carry the lamp.

It will be seen that by extending upward the portion *e* or outer wall of the exterior reservoir *d*² to a proper height, a glass medium is interposed in the line of the passage of the rays of light, as clearly shown in Fig. 3, the rays of light being indicated in said figure in dotted lines, as well as the ordinary lamp-burner, wick-tube, and wick. The lamp-collar *b* (seen in the several figures) is provided with a female screw, to properly receive a burner-cap and wick-tube, and, thus completed, as represented by Figs. 1 and 2, the combined lamp-shade and drip-cup is ready for application permanently to a lamp, as signified in Fig. 3.

By our invention we are enabled to furnish the public with a drip-cup to lamps which will provide against the overflow of oil from the wick down the outside of a lamp, either while in the act of burning or while the lamp is being filled, and at the same time also furnish a cheap and convenient shade for the modified transmission of light in a downward direction, convenient for reading or writing at a table on which the lamp having such improvement may be used, while in all other directions the light is unaffected.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

A combined drip-cup and lamp-shade, applied around the collar of a lamp, substantially as and for the purpose described.

JAMES S. ATTERBURY.
THOS. B. ATTERBURY.

Witnesses:

E. G. KREHAN,
PHIL. DEMMELL.