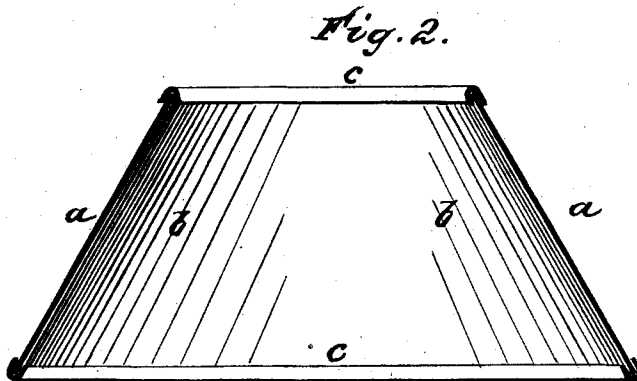
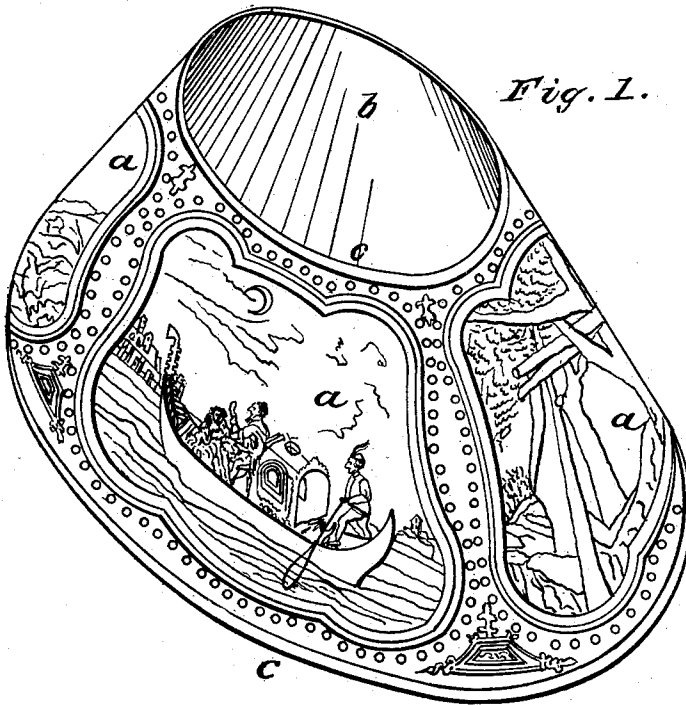


G. WEDEKIND.

Incombustible Lamp Shade.

No. 38,523.

Patented May 12, 1863.



Witnesses:
J. Russell Parsons
Haver Fenwick

Inventor:

Gustav Wedekind
By atty A. B. Soughton

UNITED STATES PATENT OFFICE.

GUSTAV WEDEKIND, OF PHILADELPHIA, PENNSYLVANIA.

INCOMBUSTIBLE-PAPER SHADES FOR LAMPS.

Specification forming part of Letters Patent No. 38,523, dated May 12, 1863.

To all whom it may concern:

Be it known that I, GUSTAV WEDEKIND, of the city and county of Philadelphia, and State of Pennsylvania, have invented a new and useful improvement in the manufacture of incombustible-paper shades for lamps, gas-burners, &c.; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 represents a perspective view of the shade. Fig. 2 represents a section through the same, to show how the picture, the mica, and the frame are united.

I am aware that a metallic frame with openings through it to expose the picture, and a mica lining behind the paper picture to protect it from the heat of the lamp or gas burner, have been made the subject-matter of a patent, of which patent, however, I am the assignee. In practice, however, I find several objections to this kind of paper shade, as the tin of which the frame was made must be painted, and the heat of the lamp or gas-jet would burn the tin and mar the paint. Besides, there was too much shadow or opaque surface to the frame, and they were, moreover, heavy. These objections I have entirely obviated by my construction of the shade, and have produced a paper shade which carries its protector with it, and does not require either a separate protector or chimney, as with the shades now in use that are made in whole or in part of paper.

My invention consists in using ornamented or other suitable paper, backed by mica, and the two held together by delicate metallic rims at top and bottom, so that the whole surface of the shade may be transparent, and at the same time the whole surface be protected from the heat of the lamp or gas burner by the mica backing.

To enable others skilled in the art to make

and use my invention, I will proceed to describe the same with reference to the drawings.

The paper *a* may be plain or ornamented, as may be preferred, and the mica *b* covers or backs its whole interior surface, and the two substances of paper and mica are caught and held together at their edges or top and bottom by thin strips of metal *c*, folded down over them.

Instead of paper, some other transparent or translucent substance may be used, but paper is found to be the cheapest, in view of its susceptibility to ornamentation.

The continuous mica backing, so as to preserve the paper or other equivalent substance while the whole surface is left transparent or translucent, is the main purpose and object of my invention; and I thus produce a very handsome, light, cheap, and durable paper shade.

The strips *c*, instead of being folded to catch and hold the edges of the paper and mica, may be otherwise fastened to and fasten said edges, but the folding is found efficient and cheap. Soldering or riveting might accomplish the object, though not so cheap as the folding.

Having thus fully described the nature and purpose of my invention, what I claim therein as new, and desire to secure by Letters Patent, is—

A paper shade, the whole interior surface of which is backed by mica, and the two layers of paper and mica are caught and held at the top and bottom thereof by a thin metallic strip or its equivalent, substantially as herein described and represented, and for the purpose described.

G. WEDEKIND.

Witnesses:

WM. P. HIBBERD,
WILLIAM J. ROSS,
ALPHONSE BIGOT.