

# United States Patent Office.

GEORGE W. BREUKER, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO  
BREUKER & KESSLER, OF SAME PLACE.

*Letters Patent No. 61,994, dated February 12, 1867.*

## PANEL FOR LAMP SHADES.

*The Schedule referred to in these Letters Patent and making part of the same.*

### TO ALL WHOM IT MAY CONCERN:

Be it known that I, GEORGE W. BREUKER, of Philadelphia, Pennsylvania, have invented an improved Panel for Lamp Shades; and I do hereby declare the following to be a full, clear, and exact description of the same.

My invention consists of a process, fully described hereafter, of manufacturing panels for lamp shades, the panels thus produced being cheap, durable, and excellent imitations of the ordinary ornamental porcelain panels.

In order to enable others skilled in the art to make my invention, I will now proceed to describe the manner of carrying the same into effect.

Any suitable design is first printed in oil colors on paper properly prepared, and after the colors are sufficiently dry, the entire surface of the paper and the figures printed thereon is covered with a coating of plain white or tinted oil color. One side of a sheet of mica to be ornamented is then varnished, and after the varnish has partly dried, the paper is applied to the mica, the coated surface of the paper and the varnished surface of the mica being in contact. The paper and mica are then pressed closely together by passing the two between pressing rollers or in any other suitable manner. The paper is then moistened and slowly detached from the mica, the colors adhering to the varnished surface of the latter; the plain color last applied to the paper being next to the mica, and forming a ground for the figures first printed on the paper, which are consequently uppermost on the panel. It has heretofore been customary to insert a slip of paper, with the required design printed on the same, between two sheets of mica, the panel thus formed being secured to the frame of the shade. Panels made in this manner are expensive and soon become defaced, the paper being discolored by the heat and smoke, while the cracks and crevices on the outer sheet of mica become filled with dust which cannot be removed, and prevents the figures on the paper from being distinctly seen. The panel manufactured by the process above described is a cheap substitute for the ordinary ornamented porcelain panel; the painted surface of such a panel also is not apt to become discolored, it has no crevices in which dust may collect, and it may be washed without injury whenever required.

I do not desire to claim broadly transferring printed or colored figures, or designs, from a sheet of paper or other material to a varnished surface, by bringing the two coated surfaces in contact; but I claim as my invention, and desire to secure by Letters Patent—

The manufacture of panels for lamp shades by applying to the ornamented surface of a sheet of mica, a sheet of paper, or other material on which two or more layers of oil color have been deposited, as herein specified.

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

GEORGE W. BREUKER.

Witnesses:

CHARLES E. FOSTER,  
JOHN WHITE.