

United States Patent Office.

THOMAS E. PURDY, OF BROOKLYN, NEW YORK.

Letters Patent No. 75,974, dated March 24, 1868.

IMPROVED WINDOW-SHADE.

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, THOMAS E. PURDY, of Brooklyn, in the county of Kings, and State of New York, have invented, made, and applied to use, a certain new and useful Improvement in Window-Shades; and I do hereby declare the following to be a full, clear, and exact description of the said invention, and of the features that distinguish the same from other window-shades or shade-material.

Muslin, prepared by stretching and sizing, has been printed upon with white or other colors, to produce an imitation of lace-curtains, but in this instance the portion representing lace was thickened, and rendered more or less opaque, by the designs or figures themselves, which figures, especially with a transmitted light, (as in the day-time,) have a heavy and uneven appearance, and with a reflected light, as in the evening, show the paint that is printed upon the shade.

In Letters Patent granted August 7, 1866, to Charles Elvena, a mode of tinting surfaces is set forth, under which window-shades have been produced in imitation of lace, by placing a lace-curtain upon such shade, and subjecting the same to the action of smoke, to tint the ground, and leave the part covered by the lace of a lighter color. This process is difficult to perform, and is also very costly, requiring actual lace-curtains to be used in tinting the shade by the action of the smoke. In this process only one color can be produced.

The nature of my said invention consists in a window-shade or window-shade material, formed of the usual woven fabric, stretched and stiffened with sizing, and on which is printed, in any desired color, a groundwork that leaves the lace or embroidered work represented by the white or light-colored fabric of which the shade itself is composed, so that the lace-work or embroidery shows of a light or white color, both by the light transmitted in day-time, or reflected at night, and the portion of the surface of the shade which produces the imitation of lace or embroidery, being the woven fabric itself, has a clear, handsome appearance, not heretofore produced.

This invention may be employed in the production of window-shade material in any desired lengths; or it may be used in the corners or borders of set-patterns or designs of window-shades, and the ground that is printed may be of whatever color is desired.

I make use of engraved blocks, electrotypes, or stereotypes, in which the lace or embroidery-shapes are sunk into the surface of the block, so that they are left white on the shade, the ink or color forming the ground being printed from the surface of the block.

My said shade or shade material, formed as aforesaid, is a new article of manufacture, having a very handsome appearance, and being cheap to manufacture.

I claim, as an article of manufacture—

The window-shade or window-shade material, made as described, viz, with the woven fabric in its original color, exposed to form the figure, in imitation of lace or embroidery, the groundwork being printed.

In witness whereof, I have hereunto set my signature, this tenth day of January, A. D. 1868.

THOS. E. PURDY.

Witnesses:

CHAS. H. SMITH,
GEO. D. WALKER.