

UNITED STATES PATENT OFFICE.

T. SEYMOUR SCOTT, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN OIL-PRINTED PAPER FOR FLOORS.

Specification forming part of Letters Patent No. **216,109**, dated June 3, 1879; application filed February 8, 1879.

To all whom it may concern:

Be it known that I, T. SEYMOUR SCOTT, of the city and county of Philadelphia, in the State of Pennsylvania, have invented a new and useful Improvement in Oil-Printed Paper for Floors, Walls, and other purposes, of which I do hereby declare the following to be a full, clear, and exact description.

My invention relates to that class of oil-surfaced papers in which the surface or face is effectuated by printing with blocks or dies as in the production of oil-cloths; and has for its object the production of a smooth-faced article, in which the figuring-surfaces do not extend above or beyond the ground-surface of the printed paper.

Heretofore in oil-printed papers the finished paper has had a rough or uneven surface, and this has resulted from the fact that in printing the same it has been found necessary to provide an air-interspace in the printing block or die back of the portion thereof which holds and applies the oil-mixture to form the figure, in order to prevent the lifting or removal of the oil-mixture from the paper when the die is removed therefrom, with the result that so large a quantity of printing-mixture is deposited on the paper as to produce an uneven surface.

The disadvantages of such uneven surface, especially where the same is subjected to great exposure of wear, are, that the surface becomes unevenly worn and defaced, and the utility and beauty of the article consequently in a great measure destroyed.

I have discovered that these objections can be obviated, and a smooth-faced oil-printed paper be produced in the following manner:

I employ a Manila or other paper of superior strength and quality, upon which I print, as in the manufacture of oil-cloths, the ground and figuring, and obtain the rough-surfaced article which I have above referred to. I then pass this oil-printed paper a sufficient number of times through calender-rolls until a smooth and even surface is obtained, which latter operation I have discovered may be performed without cracking or injuring the oil-surface or defacing the same.

Having thus described my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

1. The herein-described process of producing smooth-faced oil-printed paper, which consists in printing the paper and subsequently passing the printed paper through calender-rolls to smooth the surface, substantially as described.

2. As a new article of manufacture, smooth-faced oil-printed paper, substantially as shown and described.

In testimony whereof I have hereunto signed my name this 25th day of September, A. D. 1878.

T. SEYMOUR SCOTT.

In presence of—

J. BONSALE TAYLOR,
W. C. STRAWBRIDGE.