

UNITED STATES PATENT OFFICE.

CARL A. SITZLER, OF KITZINGEN, BAVARIA, ASSIGNOR OF ONE-HALF HIS
RIGHT TO CHARLES T. MEYER, OF JERSEY CITY HEIGHTS, N. J.

IMPROVEMENT IN SATURATED FELTED OIL-CLOTH.

Specification forming part of Letters Patent No. **180,382**, dated July 25, 1876; application filed
January 14, 1876.

To all whom it may concern:

Be it known that I, CARL A. SITZLER, of Kitzingen, Bavaria, (at present residing at Elizabethport, in the county of Union and State of New Jersey,) have invented a new and Improved Saturated Felted Oil-Cloth, of which the following is a specification:

This invention has for its object to improve felted oil or floor cloths, and to simplify the manner of producing the same. Heretofore felted oil-cloths were first rendered water-proof by mixtures with which they were charged, and were afterward painted with a coat of oil-paint, upon which the design was finally printed in the customary manner. The layer of oil-paint, which was thus interposed between the fabric and the printed design, was very liable to break or crack in use, and was also the cause of a frequent peeling off of the printed design, which had no proper hold on the fibrous body of the fabric. Yet it is necessary that the fabric be treated with oil-paint before printing, as otherwise the printed colors would be apt to spread, and the design consequently become indistinct and disfigured.

My invention consists in, first, saturating the felted fabric with oil-paint, and in thereby preparing it for the direct reception of the printed design, and dispensing with the interposed layer of oil-paint formerly required. I immerse the felted fabric in oil-paint, or saturate it therewith by other proper means, so that the fibers of the felted fabric will no longer be able to affect the subsequent printed design by capillary action.

The oil-paint, with which I saturate the felted fabric, may contain, in solution, other suitable substances for rendering the fabric water-proof, stiff, pliable, hard or soft, or imparting to it other desirable properties.

After the felted fabric has been thus saturated with oil-paint it is dried, and thereupon ready to receive the printed design directly on the fabric.

The various colors employed in the design are not superposed, but placed alongside of each other, and the oil-cloth will thus bear but a single layer or coat of paint—which is the printed matter—in place of at least two heretofore invariably applied. The printed matter will come in direct contact with the fiber of the fabric, and will therefore be more perfectly retained, thus increasing the durability of the oil-cloth, and will also more readily partake of the flexibility of the felted fabric.

The reverse of the oil-cloth may be painted or not. If not painted, it will be well protected by the oil-paint, which is absorbed by the fiber.

I claim as my invention—

Felted oil-cloth, which is saturated with oil-paint, and thereupon directly printed upon, so that the printed matter will come in contact with the body of the felted fabric, substantially as specified.

CARL AUGUST SITZLER.

Witnesses:

ERNEST C. WEBB,
F. V. BRIESEN.