

# United States Patent Office.

GEORGE STREET, OF NEW YORK, N. Y.

*Letters Patent No. 73,473, dated January 21, 1868.*

## IMPROVED OILED FABRIC.

*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 STREET, of the city and State of New York, have invented and made a certain new and useful Improvement in Oiled Fabrics; 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 said fabric from those before produced.

Oiled silk, for clothing, hat-linings, &c., has heretofore been made by coating the same with a drying-oil that renders it water-proof, but it is partially elastic, and will yield and stretch to the desired shape, particularly when cut out diagonally to the lines of the threads. This fabric, however, is expensive, on account of the costliness of the silk. Efforts have been made to produce a cotton fabric, for use in place of silk, in the manufacture of oiled clothing. In this case, the fibres of cotton standing up from the surface, prevent the oil drying with that smoothness and lustre necessary in the best quality of oiled fabrics. To remedy the before-named difficulty, the cotton fabrics forming the foundation of the oiled cloth have been highly sized and calendered, to produce a smooth surface for the oil. This process involves an objectionable feature in the fabric itself, viz, that the same is unyielding and non-elastic, and hence it is not adapted to many uses where a small amount of elasticity is necessary for the goods, to accommodate the shape of the article to which said goods are applied.

The object of my said invention is to produce an oiled fabric as handsome in appearance as oiled silk, or nearly so, and at the same time employ a cotton base or foundation that allows the goods to yield a certain amount, and accommodate the shape to which the oiled fabric is employed, as well as oiled silk.

I take a good quality of cotton fabric, of the desired strength, and properly bleached, and I singe off all the projecting fibres, so as to leave the fabric in its ordinary pliant state, but very smooth; and I then apply the drying-oil to the same, in the same manner as to silk fabric heretofore employed. The fibres are to be singed off by any usual or known apparatus. I have made use of a cylinder, or section of a cylinder, stationary, and highly heated, over which the fabric is drawn rapidly, by mechanism, so that the singeing of the fibres is regular and uniform on one side, and then the fabric is run through again, to singe the fibres off the other side.

My fabric, produced in the aforesaid manner, is a new article of manufacture, the same being an oiled fabric with a cotton or linen base, and equal, or nearly so, in both appearance and elasticity, to oiled silk.

What I claim, and desire to secure by Letters Patent, is—

The oiled fabric specified, made in the manner set forth, as a new article of manufacture.

In witness whereof, I have hereunto set my signature, this nineteenth day of December, 1867.

GEO. STREET.

Witnesses:

CHAS. H. SMITH,  
GEO. T. PINCKNEY.