

# UNITED STATES PATENT OFFICE.

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& JUEL, OF SAME PLACE.

## TREATING TEXTILE FABRICS.

SPECIFICATION forming part of Letters Patent No. 252,383, dated January 17, 1882.

Application filed August 16, 1881. (Specimens.)

*To all whom it may concern:*

Be it known that I, PETTER ANDREAS GEORG JUEL, residing at the city of Wurzen, in the Kingdom of Saxony and Empire of Germany, have invented Improvements in Treating Textile Fabrics, of which the following is a specification.

The object of this invention is to produce a textile fabric having a highly ornamental metallic appearance.

The invention consists of a pliable fabric composed of a textile base and a burnished metallic coating composed of a prepared mixture of ground metal and liquid caoutchouc.

The invention consists, further, in the process of producing a burnished metallic textile fabric, consisting in first coating the textile base with a prepared mixture of ground metal and caoutchouc, then drying the fabric, and subsequently burnishing the coating. The burnished metallic textile fabric may be embossed and printed in ornamental figures.

In manufacturing my improved textile fabrics I proceed as follows: Any suitable metal is first ground to a more or less fine powder by any approved apparatus, and then mixed with a suitable adhesive substance—such as, for instance, caoutchouc. This mixture is then transferred to one surface of the fabric, either by hand or by mechanical means. Any textile fabric, whether it be cotton, wool, linen, silk, or any other material, may be coated in this manner. The surface of the coating is glazed after drying, and, finally, any desired pattern or design produced upon the same by pressing, embossing, or printing.

The fabric which is produced in this manner is soft and pliable, and has a peculiar metallic appearance. As the mixture of the ground metal and the adhesive substance is not able

to pass through the fabric, it shows only at the face side and not at the back, which retains fully its original appearance, while the face of the fabric is highly improved by the surface-coating.

I am aware that a covering of dissolved caoutchouc has been applied to paper for the purpose of holding metallic powder subsequently applied. This differs materially from my invention, which is set forth in the following claims.

Having thus described my invention, I claim as new and desire to protect by Letters Patent—

1. A burnished metallic textile fabric consisting of a textile base and a burnished coating composed of a prepared mixture of ground metal and caoutchouc, substantially as described.

2. A burnished metallic textile fabric consisting of a textile base and a burnished coating composed of a prepared mixture of ground metal and caoutchouc, said fabric being printed in ornamental figures, substantially as described.

3. The process of producing a burnished metallic textile fabric, consisting in first coating the textile base with a prepared composition of ground metal and liquid caoutchouc, then drying the same, and subsequently burnishing the composition-coating, substantially as described.

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

PETTER ANDREAS GEORG JUEL.

Witnesses:

BERNHARD GRINUM,  
EDUARD CHIELE.