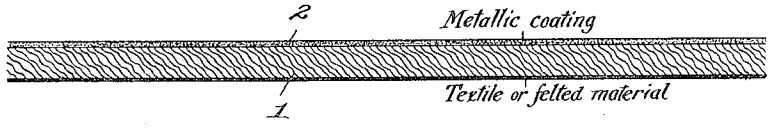
A. F. DECKER.

COATED FABRIC.

APPLICATION FILED JULY 15, 1916.

1,210,375. Patented Dec. 26, 1916.



Witnesses

Inventor

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UNITED STATES PATENT OFFICE.

AMMIEL F. DECKER, OF BROOKLYN, NEW YORK, ASSIGNOR TO TINGUE, BROWN & CO., OF NEW YORK, N. Y., A CORPORATION OF NEW YORK.

COATED FABRIC.

1,210,375. Specification of Letters Patent. Patented Dec. 26, 1916.

Application filed July 15, 1916. Serial No. 109,505.

To all whom it may concern:

Be it known that I, AMMIEL F. DECKER, a citizen of the United States, and residing at Brooklyn, city of New York, county of Kings, and State of New York, have invented a new and Improved Coated Fabric, of which the following specification is a full disclosure.

The present invention relates to coated fabrics, and it proposes an article of that general class or character, equipped with an improved protective surface covering or coating which is impervious to the disintegrating action of ink, thus rendering it specially applicable for use as a printer's blanket in connection with printing and lithographing.

The accompanying drawing shows, on a greatly-enlarged scale, a fragmentary, cross-sectional view of a blanket constructed in accordance with the invention.

The improved blanket, or analogous article, comprises a sheet-like base, body, or other supporting member 1, having applied to either or both of its faces a coating 2 of suitable oil-proof or oil-repellent material, as, for example, metallic powder, enamel, paint or even cellulose. The base or body member 1 may take the form of a flexible pad, layer or sheet of fabric, constructed of either textile or felted material, or even of some water- and oil-proof material, such as rubber. It may also be comprised by one of the known forms of printer's blanket now on the market, preferably that shown and described in my Patent No. 1,004,385, granted September 26, 1911, to which reference may be had for a complete disclosure.

The coating 2 preferably consists of a metallic substance, which is sprayed on the surface or surfaces to be treated in such a way as not only to adhere to said surface or surfaces, but even to permeate the same. In carrying out this step, the substance or material to be used may be employed either in powdered or liquid form, and may be forced against the body member 1 by means of an air or other blast, which may or may not be heated, according as conditions dictate. Where the material used is in a dry state, *i. e.*, in the form of fine particles or powder, the surface, or surfaces, to be treated is first coated with a suitable adhesive, against which the particles are blown, and to which they stick. When liquid coatings are to be utilized, solutions of the soluble metals may be employed, or emulsions thereof, if preferred, the term "emulsion" as here used, indicating a liquid containing insoluble metal particles in suspension therein. As examples of the metals, bronze, lead, zinc, copper, aluminum, nickel, and even silver and gold, may be mentioned; but if desired, the coating may consist of a suitable paint or enamel, instead of a metallic substance, the mode of application being generally the same in both cases. The finished article, after drying, is both light and flexible, and the coating 2 is itself extremely durable, so that there is no liability of cracking or splitting when the fabric is reeled on the press cylinder. Furthermore, the coating is not subject to disintegration by the printing inks, but is thoroughly oil-repellent, so that all danger of the ink penetrating the coating and attacking the body member or blanket proper 1 is completely avoided.

While the improved article as a whole is primarily designed for use as a printer's blanket, as previously stated, yet it may conceivably be put to other more or less analogous uses, without departing from the scope of the invention, as will be understood.

I claim as my invention:

1. A printer's blanket, comprising a flexible base or body member having a coating of oil-repellent material sprayed against one face thereof.

2. A printer's blanket, comprising a flexible base or body member having a metallic coating applied to one face thereof.

3. A printer's blanket, comprising a flexible base or body member having a coating of metallic particles applied to one face thereof.

In witness whereof, I hereunto subscribe my name, as attested by the two subscribing witnesses.

AMMIEL F. DECKER.

Witnesses:
W. J. QUIGUE,
RUTLEDGE TOMLIN.