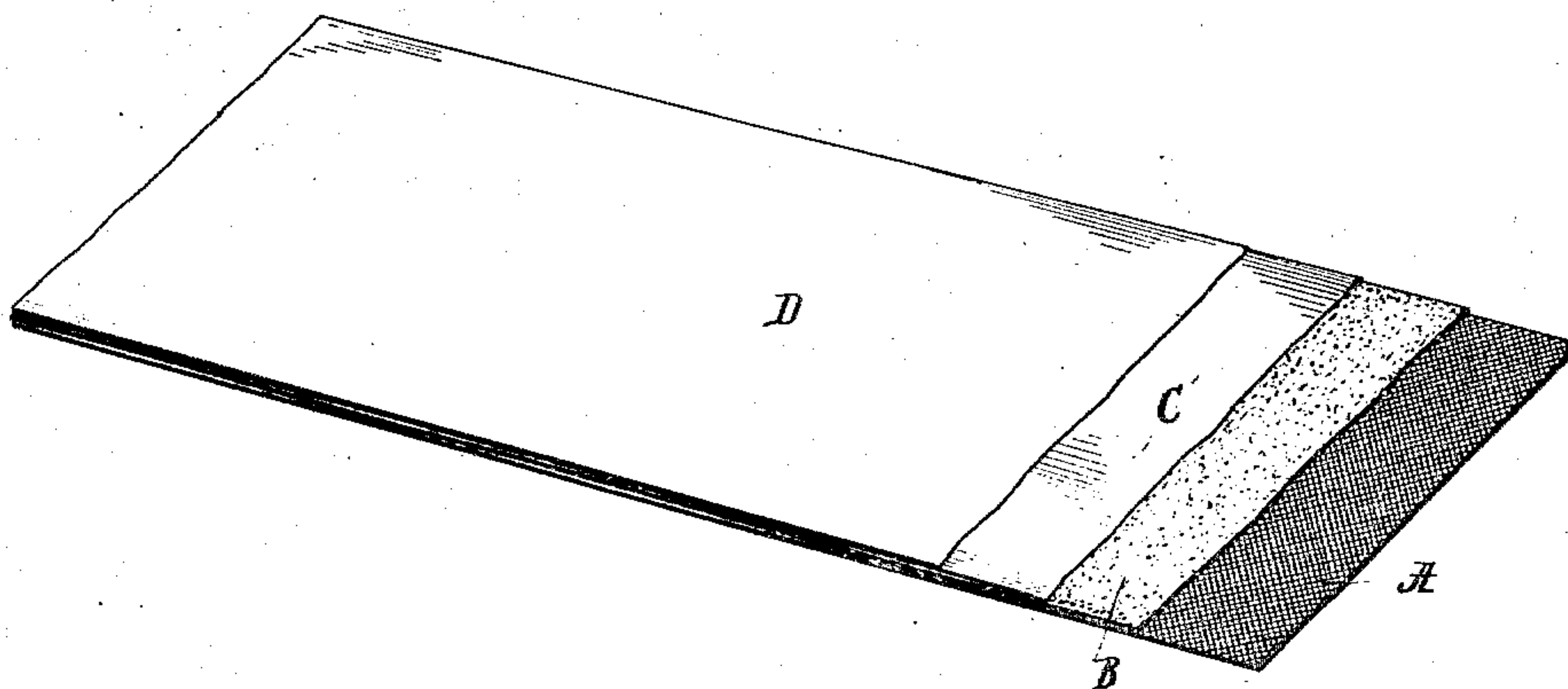


(No Model.)

R. A. ANTHONY.  
SENSITIZED PHOTOGRAPHIC FABRIC.

No. 559,658.

Patented May 5, 1896.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

RICHARD A. ANTHONY, OF NEW YORK, N. Y.

## SENSITIZED PHOTOGRAPHIC FABRIC.

SPECIFICATION forming part of Letters Patent No. 559,658, dated May 5, 1896.

Application filed June 19, 1895. Serial No. 553,251. (No model.)

*To all whom it may concern:*

Be it known that I, RICHARD A. ANTHONY, a citizen of the United States, and a resident of New York, in the county of New York and State of New York, have invented a certain new and useful Improved Photographic Fabric, of which the following is a specification.

My invention relates to an improved photographic fabric; and it consists in the peculiar construction thereof hereinafter described.

Heretofore photographs have been usually, or at least frequently, mounted upon a backing of muslin or like material in order to preserve them or that they may be sufficiently flexible to be rolled up for convenient storage and transportation, and also in order that they may be bound into books or folios for the use of commercial travelers and be compact and relatively light. The time and care required to properly mount such photographs upon the said backing material very considerably adds to their expense, and also the operation of mounting photographs is such that occasionally they are injured in the process, especially as the films are made very delicate and fragile, by reason of the wetting to which they are subjected during the developing process.

By my invention I obviate the above difficulties and produce a product very useful for the purpose.

In the drawing hereof I illustrate one form of my invention only.

A is the backing or support for the film. In order that it may be flexible, strong, and light in weight, so as to adapt it to its individual use, I prefer to employ muslin, linen, silk, or similar cloth-like fabric.

In order to provide a suitable surface upon which the sensitized coating may be applied, I cement or otherwise attach to the cloth A a sheet of paper B, which may be in the form of photographic or other suitable paper. The cement or other adhesive material used should be waterproof, a medium thin solution of rubber or a solution of gelatin in water, to which has been added the proper amount of tannic acid or chrome-alum to render the same insoluble when dry, or any other suitable adhesive material may be used, and to increase its pliability when dry glycerin may be added. Upon the paper I deposit a layer or coating

of blanc fixe C, (usually barium sulfate with gelatin, glue, &c.,) and when this coating is dry it may or may not be calendered, and upon this surface I deposit the sensitive coating of gelatin or collodion emulsion D. Any suitable sensitized material may be used for this final coating.

Instead of using a barium sulfate and gelatin solution, casein, albumen, or other equivalent material may be used. It is not always necessary to use this barium sulfate or similar coating between the paper and the sensitized coating. On the contrary, the sensitized coating may be deposited directly upon the paper.

By my invention it will be observed that the film is mounted during the process of manufacture, and is presented to the trade in a completed condition. Thus the labor and expense of mounting the photographs, after exposure, upon the cloth or similar backing is avoided; also, considerable waste of material is avoided, because, my product being usually made in the roll, such sized pieces may be cut therefrom as may be required by the photographers, and there is no loss either of the paper or of the cloth, as is almost invariably the case in the present practice; also, my improved fabric in practical use avoids the destruction of a great many pictures, which might otherwise occur during the mounting process.

I furnish to this art a strong, durable, flexible, sensitized fabric convenient in use, capable of resisting tearing and puncturing strains which are very apt to occur during the developing or toning process, free from distortion by reason of the swelling of the paper, and practically adapted for photographers' use for commercial purposes—i. e., representations of goods, &c., which are apt to be extensively handled and treated in a relatively rough manner.

I claim—

1. As a new article of manufacture, a flexible sensitized photographic fabric composed of a muslin or similar backing, attached to a paper-surfacing sheet, and a sensitized coating on the face of the paper, for the purposes set forth.

2. As a new article of manufacture, a flexible, sensitized photographic fabric composed of a muslin or similar backing attached to a



paper-surfacing sheet, a coating of barium sulfate or similar material upon the paper and a sensitized coating on the surface of said last-named coating, for the purposes set forth.

5 3. As a new article of manufacture a flexible sensitized photographic fabric, composed of a cloth backing attached by waterproofed cementing material to a paper-surfacing sheet, the cloth being sufficient to control the  
10 expansion and contraction of the paper, and a sensitized coating on the face of the paper, for the purposes set forth.

4. As a new article of manufacture, a flexible, sensitized photographic fabric, composed  
15 of a cloth backing attached to a paper-sur-

facing sheet by waterproofed adhesive material, the cloth being sufficient to control the expansion and contraction of the paper, a surfacing coating, such as barium sulfate upon the paper, and a sensitized coating on  
20 the surface of the last-named coating, for the purposes set forth.

Signed at New York, in the county of New York and State of New York, this 17th day of June, A. D. 1895.

RICHARD A. ANTHONY.

Witnesses:

W. B. MUSSER,

W. R. LEACHE.