

UNITED STATES PATENT OFFICE.

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IMPROVEMENT IN BOOK-BINDERS' CLOTH, &c.

Specification forming part of Letters Patent No. **184,467**, dated November 21, 1876; application filed
March 8, 1876.

To all whom it may concern:

Be it known that I, AMBROSE G. FELL, of the city, county, and State of New York, have invented a new and Improved Book-Binders' Cloth, &c.; and that the following is a full, clear, and exact description of the same, reference being had to the accompanying specimens.

This invention is in the nature of an improvement in book-binders' cloth, window-shade material, and other similar articles of manufacture; and the invention consists in book-binders' cloth, &c., formed with a backing of textile fabric, and a face of thin paper, which has been chemically treated, rendering its outer surface not unlike parchment, and its inner surface unglazed, the unglazed surface of the paper being secured to the textile fabric by any suitable cement.

To make a book-binders' cloth which shall be better and cheaper than the cloth at present used for binding books, I take any suitable textile fabric, charge one surface of it with glue or any suitable cement, then place upon the cemented surface a thin split paper, prepared in accordance with the description contained in an application now pending in the Patent Office, and filed by me on the 18th day of January, 1876, entitled an "Improvement in the Manufacture of Paper." This paper, after being placed on the cemented textile fabric, as before stated, is, with the fabric, passed between suitable rolls, and the paper and fabric closely united together, leaving the textile fabric on one side as a backing, and the prepared paper on the other as a face. Now, since this paper has had one of its sur-

faces treated with chemicals that have tended to condense, and make like parchment the surface so treated, this surface not only becomes a durable and smooth parchment-like covering, but, what is far better, it is not stained or disfigured by water or other fluids, as is the ordinary book-binders' cloth. Besides, since it is capable of receiving permanent colors of any desired shade, it will not fade from exposure to light and continued use. After the paper adheres to the canvas, or even before it is applied to it, it may be treated with glycerine in suitable quantities, which will add to its general appearance and durability. The book-binders' cloth thus constructed may have its surface embossed, or otherwise ornamented in any way desired. Besides the use of this cloth for binding books, it is well adapted to the purpose of window-shades, in which case, if desired, both sides of the textile fabric may be covered with the prepared split paper, presenting a uniform and smooth surface, strong, flexible, and smooth, not liable to catch the dust, or to fade upon exposure to light.

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

As a new article of manufacture, book-binders' cloth, &c., consisting of textile fabric combined with split paper, having a parchment-like surface on its outer side, substantially as and for the purpose described.

AMBROSE G. FELL.

Witnesses:

H. L. WATTENBERG,
G. M. PLYMPTON.