

UNITED STATES PATENT OFFICE.

CHARLES GREEN, OF UXBRIDGE, MASSACHUSETTS, ASSIGNOR TO ALBERT C. WARREN, OF NEWTON, AND GEORGE L. STEVENS, OF BOSTON, MASSACHUSETTS.

FABRIC.

SPECIFICATION forming part of Letters Patent No. 675,832, dated June 4, 1901.

Application filed April 5, 1901. Serial No. 54,526. (No specimens.)

To all whom it may concern:

Be it known that I, CHARLES GREEN, a citizen of the United States, residing at Uxbridge, in the county of Worcester and State of Massachusetts, have invented a new and useful
5 Improvement in Fabrics, of which the following is a full, clear, and exact description.

The invention relates to an improvement in fabrics having more or less of a wool base.
10 The purpose of the invention is to impart to the fabric a fullness, softness, and brightness or finish which it would otherwise lack.

The invention is practiced by subjecting the fabric to a solution comprising a mixture
15 of a chlorid of an alkaline earth, chlorid or sulfate of potassium, or chlorid or sulfate of sodium, either singly or mixed, although I prefer the former, and glycerin. Of the alkaline earths I prefer to use the chlorid of magnesium, but do not confine myself to it or to
20 the chlorid or sulfate of potassium or sodium, but may use any mechanical or chemical equivalent therefor.

The proportions of the ingredients used
25 vary according to the result which it is desired to obtain. A good working solution will have from fifteen to twenty-five pounds of chlorid of an alkaline earth, from sixty to seventy-five pounds of the chlorid or sulfate
30 of potassium or sodium, or both, and from five to fifteen pounds of glycerin. The propor-

tions may be varied to any desired extent. The ingredients, if dry, are dissolved in water, or, if in solution, water may be added. The glycerin may be incorporated with the
35 solution before it is used or at the time of its use.

The cloth or fabric is saturated with the solution sufficiently to cause its fibers and threads to absorb the same, and the surplus
40 solution is removed by pressure or by an extractor and the cloth or fabric dried. The cloth or fabric thus treated will have a brightness, fullness, softness, and life which it would not otherwise sufficiently possess and which
45 renders it more finished and attractive in appearance.

Having thus fully described my invention, I claim and desire to secure by Letters Patent
50 of the United States—

The improved fabric of the character described, the same having fibers and threads of wool which are enlarged, brightened and filled with a softening and fulling solution composed of a chlorid of an alkaline earth,
55 an alkaline chlorid and glycerin, all as set forth.

CHARLES GREEN.

Witnesses:

F. F. RAYMOND, 2d,
SAUL SIPPERSTEIN.