

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. 675,831, dated June 4, 1901.

Application filed April 5, 1901. Serial No. 54,525. (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 Improvement in Fabrics, of which the following is a full, clear, and exact description.

The invention relates to a fabric having more or less wool fiber and which has been subjected to the action of a solution of the character herein named which imparts to the fabric, and especially to the wool fibers thereof, a fullness, life, and finish which they would otherwise not possess.

The composition with which the fabric is treated comprises a chlorid of an alkaline earth—such, for instance, as magnesium or calcium chlorid—chlorid of sulfate—such, for instance, as sodium or potassium—a chlorid of ammonium or its equivalent, and glycerin or its equivalent.

To make the composition, a chlorid of an alkaline earth to the extent of about twenty pounds is intimately mixed with about sixty-five to seventy pounds of chlorid of potassium or chlorid of sodium, about ten pounds of glycerin, and about two pounds of chlorid of ammonium. This makes a very satisfactory

composition; but the percentages may be varied to any desired extent. The chlorids, if dry, are dissolved in water, or if in solution water may be added to them. Glycerin is added before or at the time the composition is used.

The fabric is thoroughly saturated with the solution and its fibers and threads caused to absorb the same. The surplus solution is removed from the fabric by pressure or by an extractor. Fabrics thus treated are improved in appearance and body and have a full, filled, closed, softened, brightened, and finished effect which adds to their value.

Having thus fully described my invention, I claim and desire to secure by Letters Patent 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, a chlorid of an alkali, chlorid of ammonium and glycerin, all as set forth.

CHARLES GREEN.

Witnesses:

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