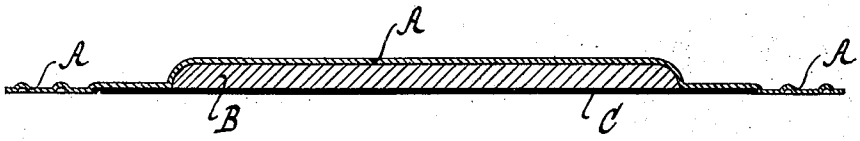
(No Model.)

W. SOCHEFSKY.

EMBOSSED FABRIC FOR UPHOLSTERY, &c.

No. 334,300. Patented Jan. 12, 1886.



WITNESSES:

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UNITED STATES PATENT OFFICE.

WILLIAM SOCHEFSKY, OF NEW YORK, N. Y.

EMBOSSED FABRIC FOR UPHOLSTERY, &c.

SPECIFICATION forming part of Letters Patent No. 334,300, dated January 12, 1886.

Application filed September 4, 1885. Serial No. 176,202. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM SOCHEFSKY, a citizen of the United States, residing at New York, in the county and State of New York, have invented new and useful Improvements in Embossed Fabrics or Materials, of which the following is a specification.

My invention relates to embossed goods or fabrics, more particularly such as are of a flexible character, as leather, paper, or textile materials; and it consists in combining with the same a filling or backing of soft and plastic nature in such a manner that the embossed goods will be and continue soft and flexible, and yet will retain the embossed impression and figures when in use and when subjected to strain and wear.

The drawing shows a section of a piece of embossed fabric to which my invention is applied.

In producing embossed goods it has been customary to take the goods before embossing and unite with them a backing of paper, and then to subject them to the embossing dies or rollers, the paper backing being used for the purpose of stiffening the goods, causing them to retain the embossed pattern; but the union of the paper imparts an undesirable stiffness to the goods, and deprives them to a considerable degree of the flexibility and softness which may naturally belong to the outer fabric.

The cavities in the back of each lined and embossed fabric have sometimes been filled with cement, and the entire structure finally lined with another sheet of paper or equivalent fabric. In such fabrics having cement filling the raised figures cannot be pressed back, but will at all times maintain their form, and are hard and inelastic.

My invention has for its object to preserve and increase the natural flexibility and softness of the fabric to be embossed, and to make the embossed fabric yielding and pliable to the touch, and also to cause it to retain the embossed pattern when subjected to the strain which naturally comes upon it when used in upholstery or otherwise.

In carrying out my invention I take the goods or fabrics which are to be embossed—such as leather, paper, textile fabrics, or other material—and subject the same to the embossing dies or apparatus, so as to produce on its finished or outer surface an embossed pattern or design. I then apply to the back of the embossed fabric a filling or backing of a yielding plastic material, which I so apply as to fill the cavities and depressions of the embossed pattern. The plastic material must be of such a character as not to stain or injure the goods, and as will allow of its being spread smoothly upon the sunken back surface of the embossed goods. The filling or backing material may be made of sawdust or whiting mixed with glue, paste, or other adhesive substance, to which mixture is added sirup or glycerine or equivalent substances to keep the whole in a soft and pliable condition. In the place of sawdust or whiting I can use other suitable vegetable, animal, or mineral material in a powdered condition or granulated.

The following proportions are suitable in making the filling or backing material, namely: of sawdust, about two ounces. If whiting is used in place of sawdust, I take of whiting, about six ounces; of sirup or glycerine, about two ounces; of dissolved glue, about half a pint, these ingredients being mixed together, so as to produce a plastic body of suitable consistency to enable me to apply it to the back of the embossed goods and fill the depressions of the back therewith, the plastic body being used and applied in a warm state, and being made sufficiently thin and plastic to enable it to conform to the inequalities and pattern of the depressed surface.

I do not confine myself to the exact proportions above mentioned, as they may be varied in making the plastic filling material of suitable consistency.

Having filled the depressions of the back of the embossed fabric with the plastic filling material, I next cover the back of the embossed fabric with a lining of paper or textile fabric, so as to cover the filling material and keep it in place, and I fasten or secure the soft lining to the back of the fabric in any convenient manner.

In the drawing, the letter A designates the embossed fabric. B is the pliable filling, and C the lining, which is pasted or secured over the filling and the back of the fabric.

The embossed fabric thus prepared, the de-

pressions of the back being filled with a soft elastic and pliable body, as described, retains the embossed pattern and its relief when subjected to use and wear in upholstery or other uses, and the pliable filling imparts to the embossed fabric a soft and pliable character, which adds greatly to the comfort of the article of upholstery to which it is applied, and when the embossed pattern or figures, which are in relief thereon, are flattened or indented by pressure the elastic filling material tends to restore the relief when the pressure is removed, and the embossed pattern is consequently preserved from becoming permanently flattened or obliterated by wear.

What I claim as new, and desire to secure by Letters Patent, is—

1. Embossed goods—such as leather, paper, or textile fabrics—provided with a soft elastic and yielding filling material, substantially as described, occupying the depressions of the embossed pattern, substantially as described.

2. The elastic filling composition, substantially as above described, combined with an embossed fabric by filling therewith the depressions in the back of the fabric, substantially as described.

3. The combination of the embossed fabric, the elastic filling material placed in depressions of the pattern on the back of the fabric, and the lining for covering the filling material, substantially as described.

In testimony whereof I have hereunto set my hand and seal in the presence of two subscribing witnesses.

WILLIAM SOCHEFSKY. [L. S.]

Witnesses:
A. FABER DU FAUR, Jr.,
E. F. KASTENHUBER.