(No Model.)

S. M. LEVY & A. J. SEDMIHRADSKY.

FABRIC AND PROCESS OF MAKING THE SAME.

No. 303,170. Patented Aug. 5, 1884.

Fig. 1.

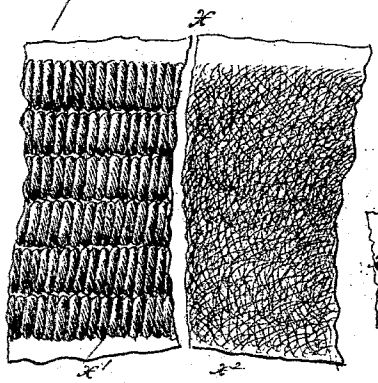


Fig. 2.

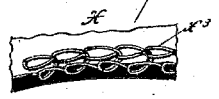


Fig. 3.



Fig. 4.

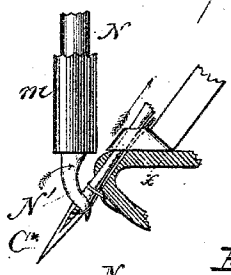


Fig. 5.

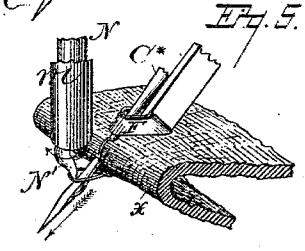


Fig. 6.

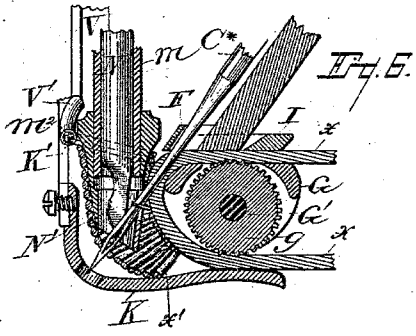
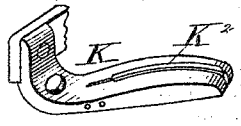


Fig. 7.



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UNITED STATES PATENT OFFICE.

SALLY M. LEVY AND ADOLPH J. SEDMIHRADSKY, OF MILWAUKEE, WISCONSIN, ASSIGNORS TO SAID SALLY M. LEVY.

FABRIC AND PROCESS OF MAKING THE SAME.

SPECIFICATION forming part of Letters Patent No. 303,170, dated August 5, 1884.

Application filed January 14, 1884. (No model.)

To all whom it may concern:

Be it known that we, SALLY M. LEVY and ADOLPH J. SEDMIHRADSKY, both of Milwaukee, in the county of Milwaukee, and in the State of Wisconsin, have invented certain new and useful Improvements in Fabrics and Process of Making the Same; and we do hereby declare that the following is a full, clear, and exact description thereof.

Our invention relates to the covering or lining of fabrics; and it consists in a process by which such covering or lining is secured to the fabric, as well as in the lined or covered fabric as a new article of manufacture.

In the drawings, Figure 1 is a view of the lined or covered side of our fabric. Fig. 2 is a section showing the stitches by which the lining is secured to its backing. Fig. 3 is a perspective view with a section of lining parted to show the stitches; and Figs. 4 and 5, are details illustrating stages in the process, but with the lining omitted to expose the stitches. Fig. 6 is a sectional view of a portion of a machine for forming the stitches with the fabric in place; and Fig. 7 is a view of a presser-foot provided with a cutting-blade, forming part of the machine.

In the drawings, x is the base or fabric to which the lining or covering is to be applied. x' x^2 is the lining, and x^3 are the stitches by which the lining is secured in place.

We have made a machine by which our process is carried out, for which we have secured a patent dated February 12, 1884, and numbered 293,478, and in the drawings of the present case we have shown what we deem sufficient of this machine to explain our process by. The fabric, x, to be lined is carried over and under a work-arm, G, that presents it in successive folds to an inclined needle, C*, and the lining material x' is coiled about a tapering thimble, m^2, which holds the coils up tightly against the backing as the needle carries the stitching-thread down through the surface of the backing and imposition to be caught by a looping-hook, N', and as the coils are attached successively, the lined fabric is carried by the feed-wheel G' under the work-arm, and comes out completely lined. The cloth, as before stated, is presented to an inclined needle in successive folds, and therefore the thread by which the lining is secured to it passes through but one surface of the cloth; hence by our process we are enabled to produce a fabric which has a lining firmly secured to it, but which is perfectly smooth and free from stitches on one side.

The coils that form our lining may be either intact, as at x', or we may provide the presser-foot K with a knife, K^2, that will cut the coils as the fabric passes under the feed-wheel, and then by "teaseling" or brushing we can separate the fibers to form a wadding such as is shown at x^2.

The other reference-letters shown in the drawings, but not herein named, relate to parts of the machine similarly lettered and described at length in the prior application hereinbefore referred to.

What we claim as our invention, and desire to secure by Letters Patent, is—

1. The method of covering fabrics with loops of yarn or analogous material, as hereinbefore described—viz., placing the covering material in a uniform succession of loops upon the fabric to which it is to be attached, and securing the two together by means of an independent stitching-thread, which enters the fabric and passes out of it on one and the same side.

2. The method of covering fabrics with loops of yarn or analogous material, as hereinbefore described—viz., folding the fabric to be covered back upon itself horizontally with the adjacent horizontal surfaces separated or held apart, and with the upper half of the connecting folded end or edge arranged in the arc of a circle the chord of which is diagonal to the horizontal layers of the body of the fabric, placing continuous loops of the covering material upon the said folded end or edge of the fabric, and securing the covering material to the fabric by an independent stitching-thread, which fastens each loop of the covering material to the fabric independently, and which stitches appear on one side only of the said fabric.

3. A fabric consisting of a solid backing

having a covering composed of continuous complete loops of yarn or analogous material attached thereto, the attaching-stitches being of a different material from the loops and appearing only upon one side of the fabric, substantially as set forth.

In testimony that we claim the foregoing we have hereunto set our hands, at Milwaukee, in the county of Milwaukee and State of Wisconsin, in the presence of two witnesses.

SALLY M. LEVY.
ADOLPH J. SEDMIHRADSKY.

Witnesses:
S. S. STOUT,
M. KAUMHEIMER.