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N. SLATER

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PILE FABRIC

Filed Nov. 15, 1928

Fig. 1.

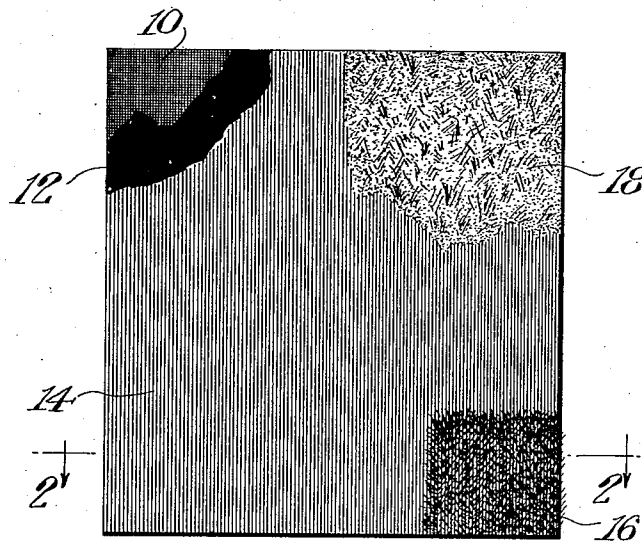
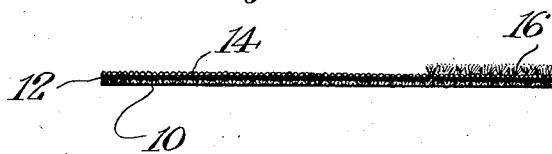


Fig. 2.



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PILE FABRIC

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This invention relates to pile fabrics, and in particular to a class of fabrics which is made by affixing to a cheap base a pile forming material of higher quality.

5 My invention can be best understood by reference to the appended description, taken in conjunction with the accompanying drawings, in which;

10 Fig. 1 is a view of the face of a fabric made in accordance with my invention, showing the component parts, and the pile in various stages of completion.

Fig. 2 is a cross section taken on the line 2-2 of Fig. 1.

15 In practising my invention, I make use of a base 10 of any convenient material. This may be, and usually is, burlap or a cotton cloth fabric, such as duck, etc., but it is to be distinctly understood that I may use any sort of material whatever as the base material. Rubber, leather and other flexible materials, and even glass, wood or metal might, if desired, be used.

25 On the base material 10, I spread a relatively thin coat of an adhesive material 12, such, for example, as pyroxylin. Other adhesives, such as latex, may be used, but pyroxylin is preferred.

30 A layer of parallel rows of yarn is then laid upon the adhesive, and allowed to become thus firmly cemented to the base fabric. This yarn may be, and preferably is, dyed to the desired color before its application.

After the adhesive is thoroughly dried, a 35 nap may be raised upon the yarn by any conventional type of nap-raising mechanism. Different effects may be produced, depending upon the thoroughness with which this napping process is carried out. Thus, at 16, I have shown the fabric with a light nap, but with a considerable portion of the original yarn intact. The result is to produce a basic, or underlying stripe effect. Or I may, if desired, completely destroy the parallel 45 appearance of the yarn, by more complete napping, as indicated at 18. The effect here is perhaps best described as similar to a pelt.

Many different and beautiful effects may be secured by minor changes or modifications 50 of my invention. Thus, I may alternately

use yarns of different colors, giving striped effects. Different types of yarns (such as wool, and silk, etc.) may be employed in combination. Many other simple variations will suggest themselves to an expert in the 55 art, all of which are to be considered as included in my invention, which is to be limited only by the prior art and the scope of the appended claims.

I claim:

1. Process for preparing a pile fabric comprising cementing parallel threads of yarn to a base fabric by means of an adhesive, and raising a nap from said yarn. 60

2. A pile fabric comprising a base, an intermediate layer of adhesive and an upper 65 layer of contiguous parallel threads of yarn, upon which a nap has been raised.

3. A fabric comprising a base, an intermediate layer of adhesive and an upper layer 70 composed of parallel contiguous threads of yarn upon which a light nap has been raised so as to produce an underlying stripe effect surmounted by a nap effect.

4. A fabric comprising a base, an intermediate layer of adhesive and an upper layer 75 composed of parallel contiguous threads of yarn upon which a heavy nap has been raised thus completely destroying the parallel appearance of the yarn and producing a 80 pelt effect.

In testimony whereof, I have signed my name to this specification this 13th day of November, 1928.

NELSON SLATER. 85

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