

No. 820,003.

PATENTED MAY 8, 1906.

W. V. LOWE.
WOVEN PILE FABRIC.
APPLICATION FILED JUNE 12, 1905.

Fig. 1.

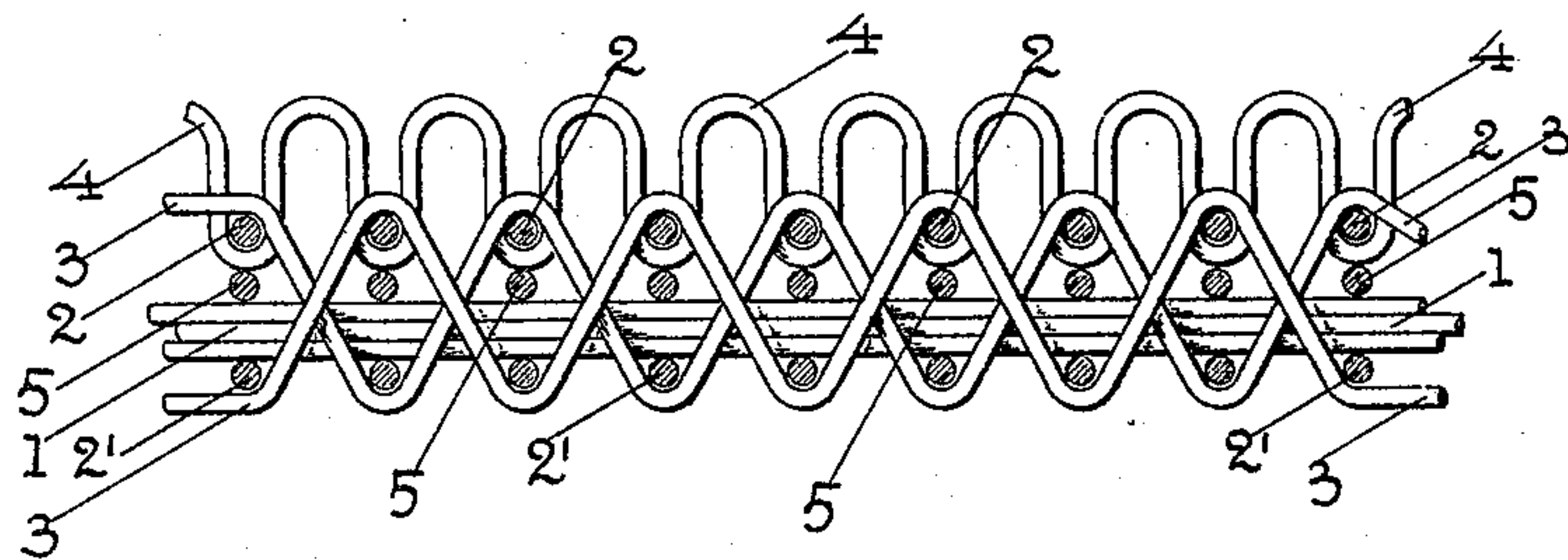
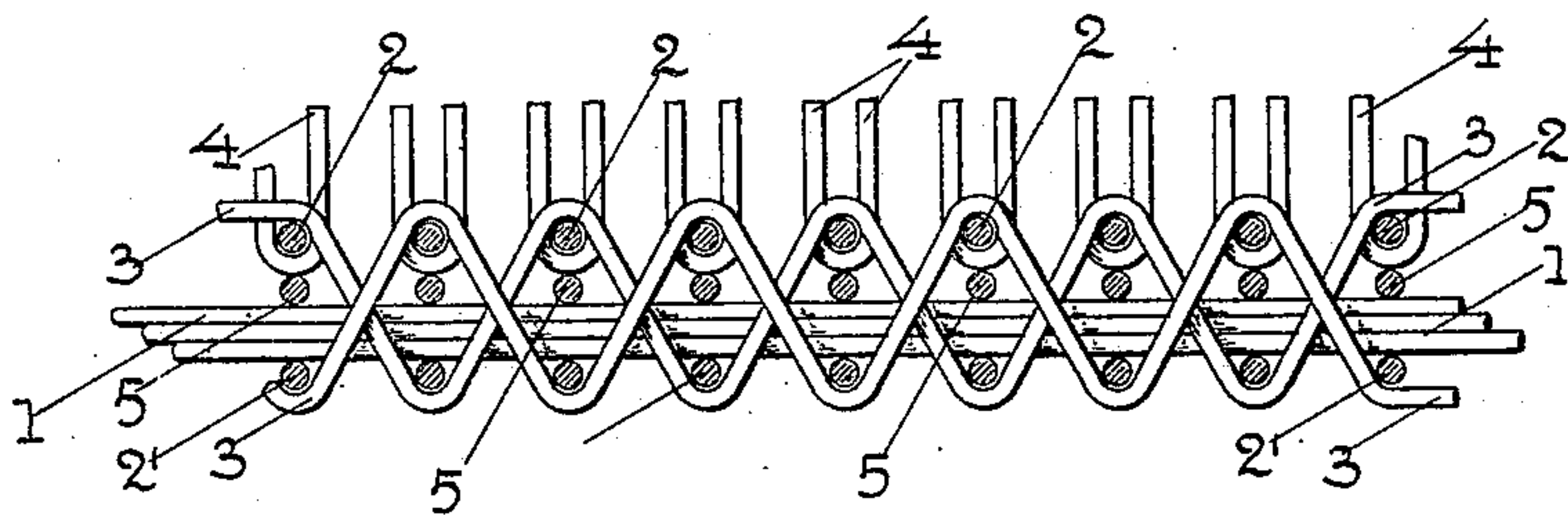


Fig. 2.



Witnesses
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WOVEN PILE FABRIC.

No. 820,003.

Specification of Letters Patent.

Patented May 8, 1906.

Application filed June 12, 1905. Serial No. 264,828.

To all whom it may concern:

Be it known that I, WALTER V. LOWE, a subject of King Edward VII of Great Britain, residing at Worcester, in the county of Worcester and State of Massachusetts, have invented certain new and useful Improvements in Woven Pile Fabrics, of which the following is a specification.

My invention relates to woven pile fabrics, and more particularly to an improved weave for carpet fabrics.

The object of my invention is to provide an improved weave for pile fabrics, and particularly carpet fabrics.

In my improvements I provide an additional filling-thread or weft of the same material as the other filling-threads or of any suitable material and of desirable size or thickness, which is inserted between the stuffer and pile warps to support and bind the loops or the tufts of the pile-warps. By using an additional filling-thread or weft I prevent the pile-warp from pulling out, for it is bound tightly against the upper top filling. I also prevent the burying of any surplus pile-warp in the body of the fabric, for it is forced against the upper or top filling, thus making a considerable saving of pile-warp. By my improvements in pile-fabric weave the thickness of the fabric is increased and the quality of the fabric is improved.

Referring to the drawings, Figure 1 shows an enlarged sectional view of a carpet fabric of the tapestry, Brussels; or printed warp class, embodying my improvement; and Fig. 2 corresponds to Fig. 1, but shows the pile-loops cut, forming a carpet fabric of the tapestry velvet class.

In the accompanying drawings, 1 represents the ordinary stuffer-warps, which form the backing of the fabric. 2 and 2' represent the ordinary filling-threads or wefts, one, as 2, above and the other, as 2', below the stuffer-warps 1, and 3 represents the ordi-

nary binding-warps, and 4 the ordinary pile-warps of the regular two-shot Brussels and Wilton weave. The pile-loops are shown uncut in Fig. 1. In addition to the ordinary filling threads or wefts 2 and 2' I provide additional filling-threads or wefts 5, which are inserted above the stuffer-warps 1 and between said stuffer-warps 1 and the pile-warps 4 and preferably directly under the upper filling-threads 2, as shown. The additional filling-threads or wefts 5 act to bind the loops or tufts and prevent them from pulling out. The wefts 5 may be of the same material as the wefts 2 and 2' or of any other material and of any desired size. The wefts 5 increase the thickness of the fabric and make it softer to tread on.

It will be understood that my improvements may be used in connection with woven pile or carpet fabrics of different kinds and ordinarily termed "Brussels" and "Wilton" fabrics.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a woven pile fabric, the combination with stuffer-warps, filling-threads or wefts above and below the stuffer-warps, binding-warps, and pile-warps, of filling-threads or wefts between the stuffer-warps and the pile-warps, and under the upper filling-threads or wefts.

2. In a woven pile fabric, the combination with stuffer-warps, filling-threads or wefts above and below the stuffer-warps, binding-warps, and pile-warps, of filling-threads or wefts between the stuffer-warps and the pile-warps, and directly under the upper filling-threads or wefts.

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