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1,516,441

S. KROSS

WOVEN PILE FABRIC

Filed June 9, 1923

Fig. 1.

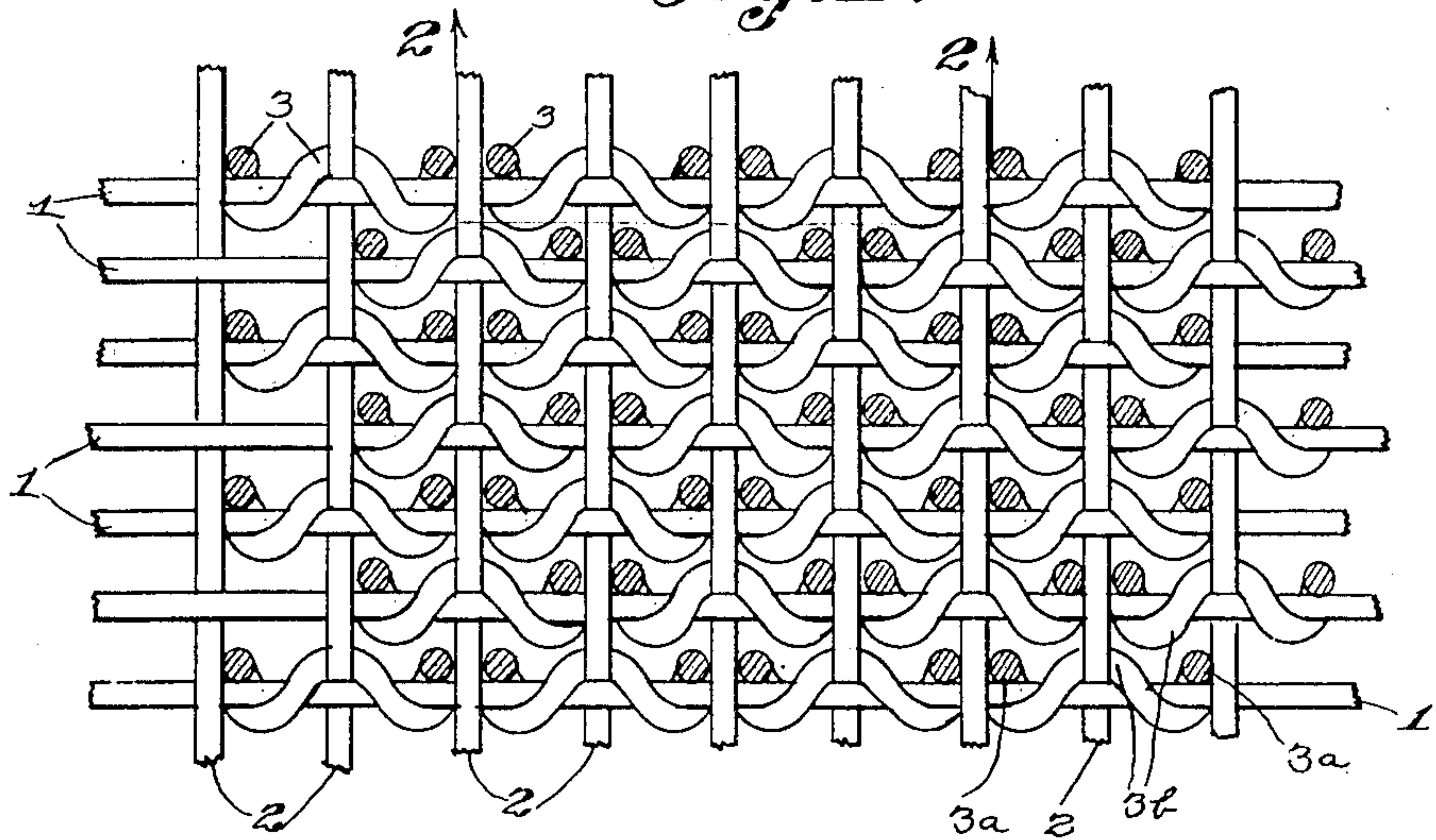


Fig. 2.

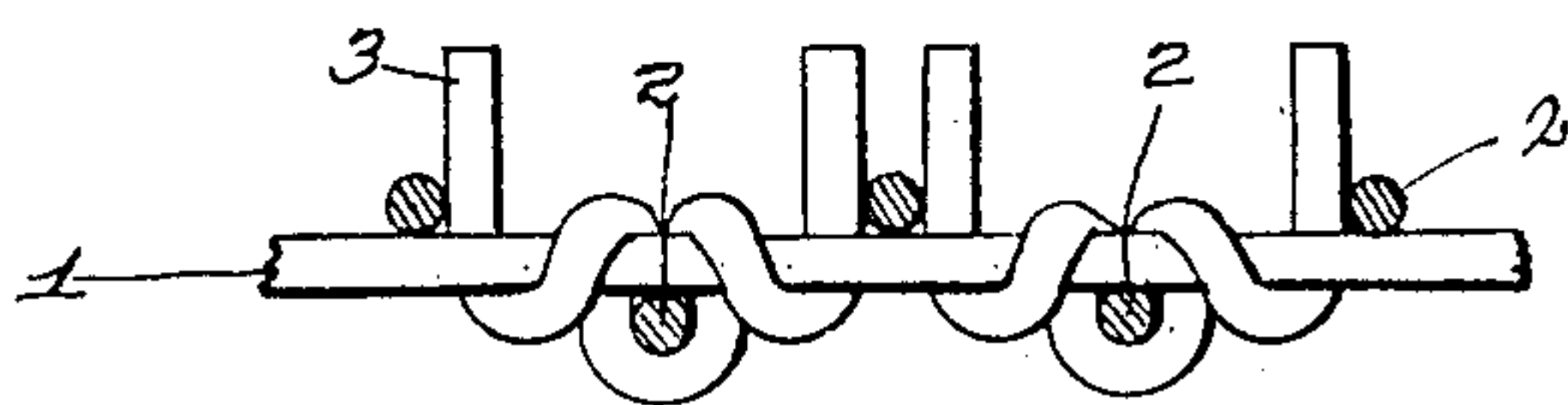
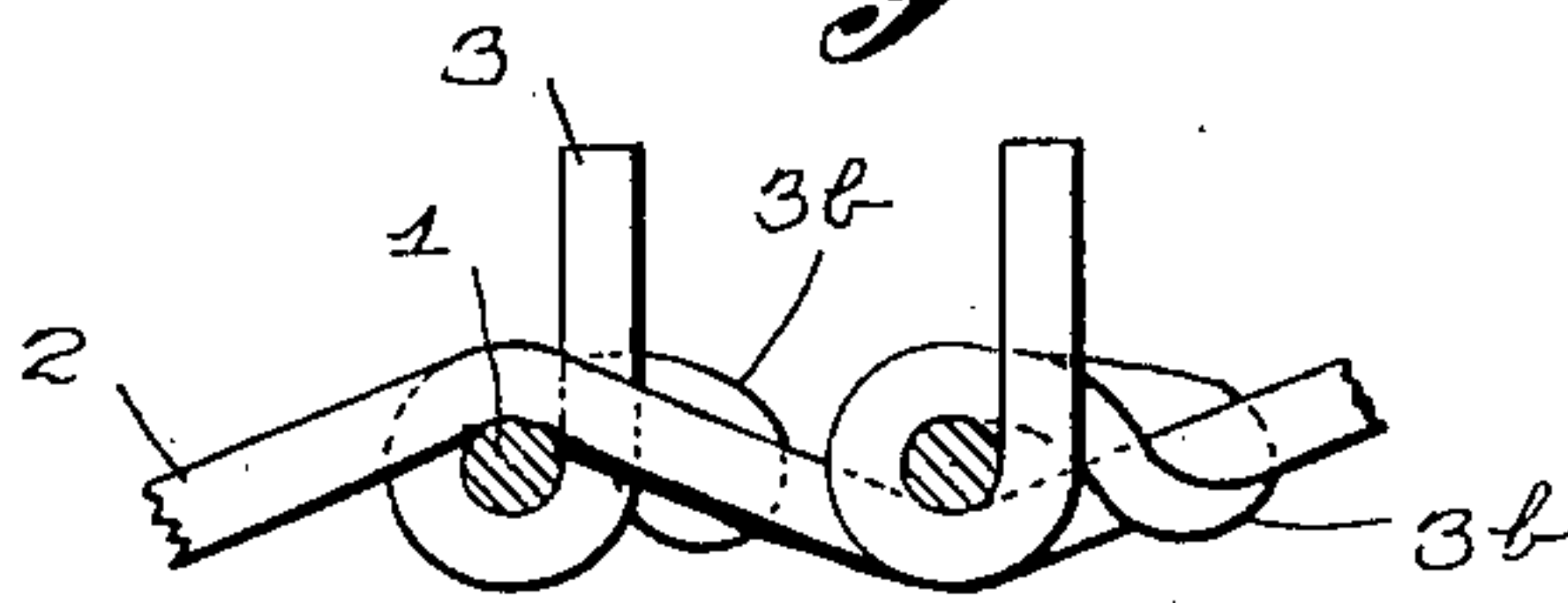


Fig. 3.



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SAMUEL KROSS, OF CHICAGO, ILLINOIS.

WOVEN PILE FABRIC.

Application filed June 9, 1923. Serial No. 644,435.

To all whom it may concern:

Be it known that I, SAMUEL KROSS, citizen of the United States, residing at Chicago, State of Illinois, have invented certain new and useful Improvements in Woven Pile Fabrics; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to the manufacture of pile fabrics, such as rugs, and has for an object to provide an improved form of weave wherein the tufts shall be firmly secured to the fabric.

The novel features of the invention will appear from the detailed description taken in connection with the accompanying drawings forming part of this specification.

In the drawings, Fig. 1 is a plan view on an enlarged scale of one form of the invention, showing the manner of knotting the tufting threads about a single warp thread in the fabric;

Fig. 2 is a cross section taken on line 2—2 of Fig. 1;

Fig. 3 is a view taken transversely of the warp threads, or in other words, at right angles to Fig. 2.

In the drawings, like reference characters designate like parts throughout the several views. Reference numeral 1 indicates the warp threads and numeral 2 the weft or filling threads, which pass over and under the

warp threads in the usual manner. The pile or tufting threads are shown at 3. At this point it may be stated that the pile or tufting threads 3 are woven into the fabric of the carpet as continuous threads and are cut after the loops have been formed, as will presently appear. It will be noted that the cut ends 3^a of the pile warp extend upwardly on the same side of the warp thread 1. Considering the pile warp between its cut ends 3^a, it will be observed that the intermediate part thereof is looped about the warp, as at 3^b, and that a weft or filling thread 2 is passed between the warp 1 and the loop 3^b, thus firmly knotting the tuft warp about the warp 1.

What I claim is:

1. A pile fabric having body warp and weft threads, the latter passing over and under alternate warp threads, pile tufts each passed under a weft thread and over and under and up alongside the warp thread under which said weft thread passes.

2. A pile fabric having body warp and weft threads, the latter passing over and under alternate warp threads, pile tufts each passed under a weft thread and over and under and up on the same side of the warp thread under which said weft thread passes, the pile tuft ends coming up on each side, respectively, of the weft thread under which it is looped.

In testimony whereof I affix my signature.

SAMUEL KROSS.