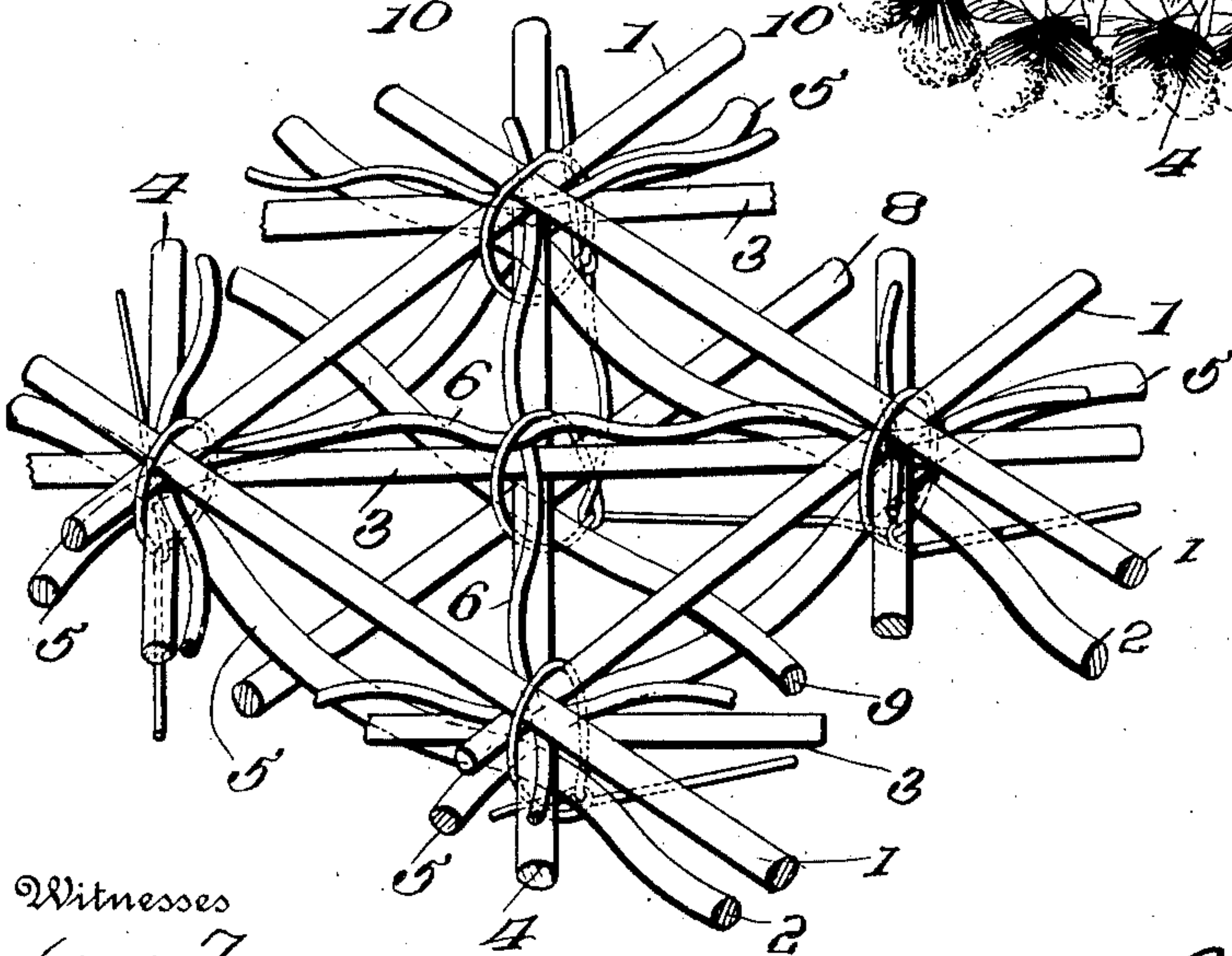
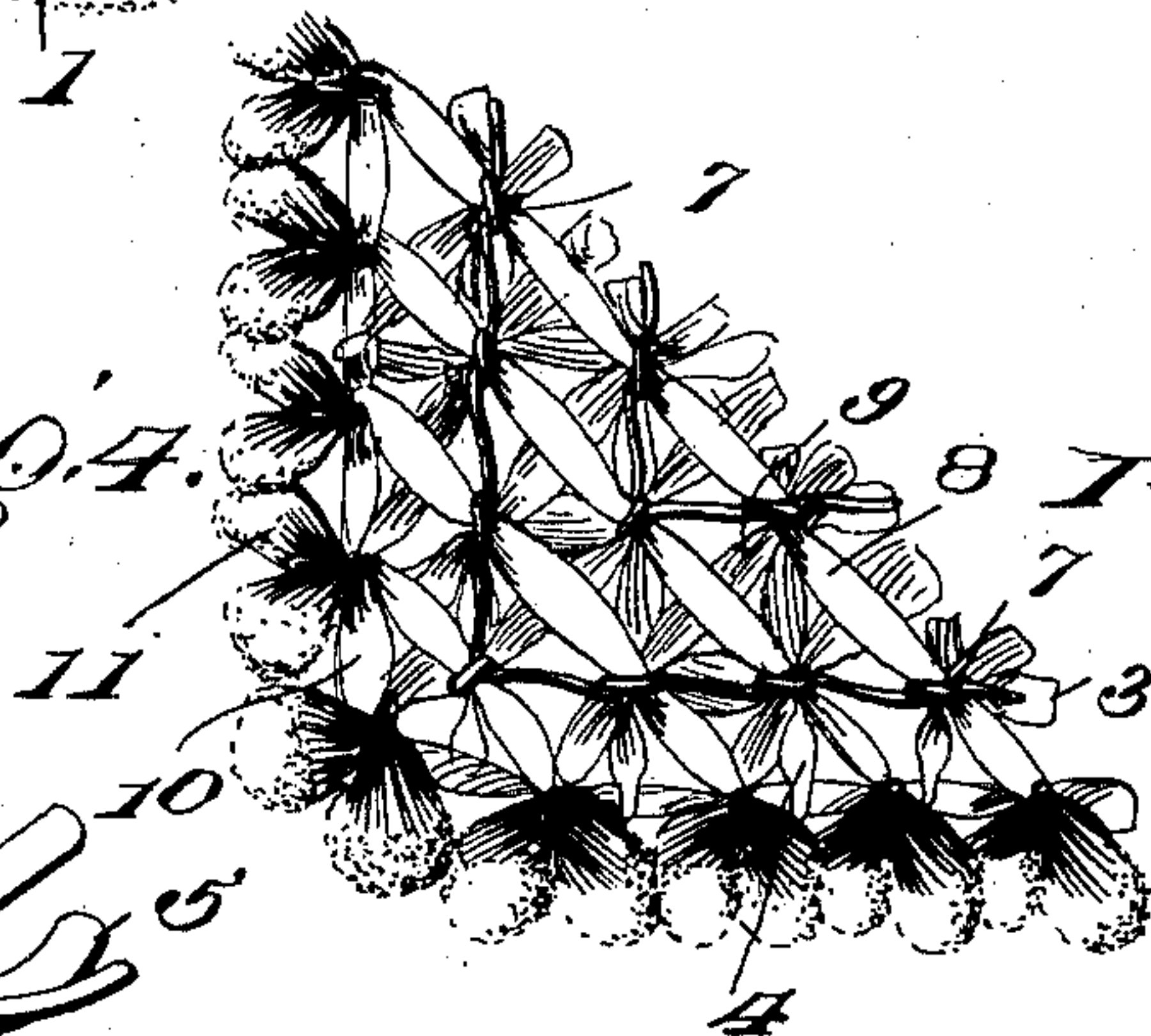
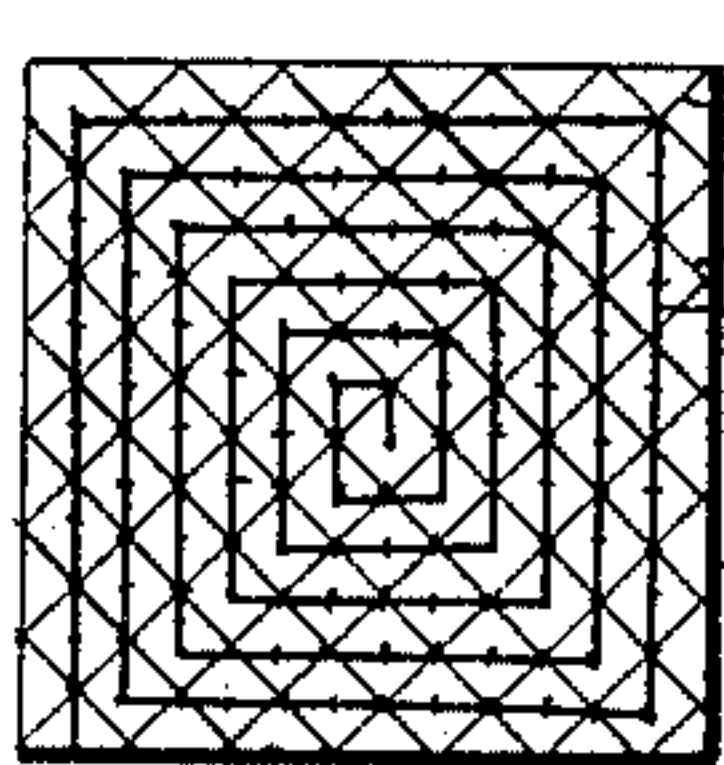
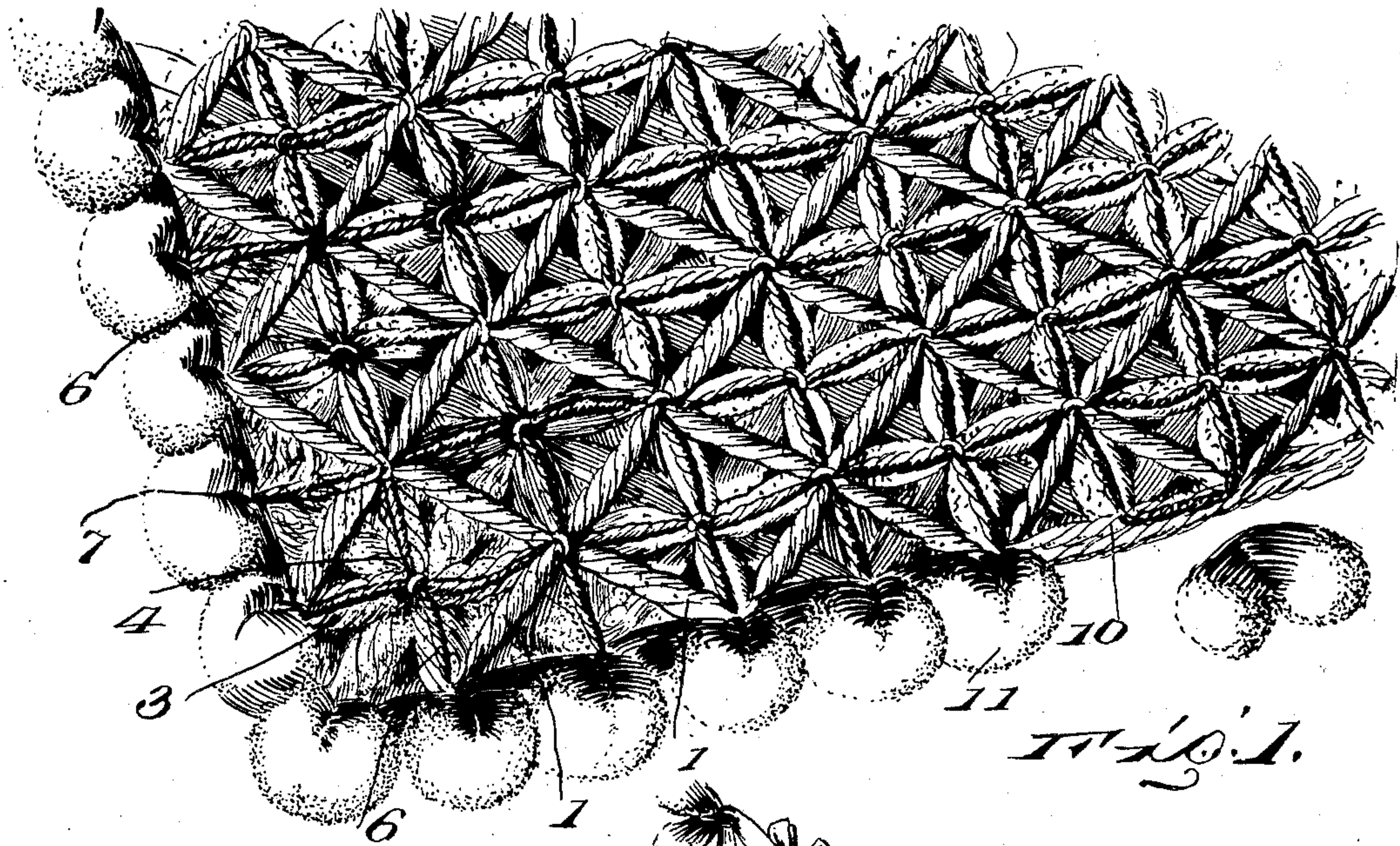


S. BELOK.
 WORSTED FABRIC.
 APPLICATION FILED DEC. 23, 1910.

998,454.

Patented July 18, 1911.



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WORSTED FABRIC.

998,454.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, SOLOMON BELOK, a subject of the Czar of Russia, having declared my intention to become a citizen of the United States, April, 1909, residing at Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Worsted Fabrics, and 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, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

This invention relates to improvements in worsted fabric.

The prime object of the invention is to provide a worsted fabric composed of several layers of yarn interlaced and tied together to form a substantial body thickness.

The invention also comprehends improvements in the manner in which the yarn is knit and tied to form the fabric.

Other objects and advantages will be hereinafter described and particularly pointed out in the claims.

In the drawings: Figure 1 is a perspective view of my improved fabric. Fig. 2 is a bottom plan view of the same. Fig. 3 is a diagrammatic view illustrating the various yarns. Fig. 4 is a diagram showing the arrangement of the tying stitches.

The numerals 1 and 2 indicate outer surface diagonal yarns; 3, a series of transverse intermediate yarns; 4, a second series of transverse intermediate yarns at right angles to the first series of transverse yarns; 5, a series of diagonal base yarns; 6, a series of filling yarns; and 7, a series of tying yarns arranged between the point where they are knotted.

The outer surface diagonal yarns 1, are arranged to form squares for ornamental purpose, and the diagonal base yarns are similarly arranged in parallel relation with the upper surface diagonal yarns. Between the parallel rows of diagonal base yarns are arranged intermediate diagonal base yarns, 8 and 9, arranged parallel with the former and crossing the center of the squares to assist in forming the base of the fabric.

The transverse intermediate yarns 3, extend across the corners of the squares

formed by the diagonal yarns 1 and 2 to form a part of the body of the fabric. The filling yarns 6, are laid over the intermediate transverse yarns, and while they assist in the formation of the body of the fabric, they are of smaller gage than the other yarn, and serve to tie the latter together, and at the same time ornament the fabric surface.

The tying yarn is of smaller gage, and is looped around the diagonal, and transverse, intermediate yarns where they cross each other. At the base of the fabric, at the corners, and at the center of the squares, each loop is tied in a knot. The tying yarn is started at the center of the fabric, and extends under a transverse intermediate row of yarn 3, then under a row of transverse intermediate yarn, 5, and then again under another row of transverse intermediate yarn, forming somewhat of a spiral.

Fabric constructed according to my invention, possesses substantially a solid body, as the yarns are all loosely twisted and as each layer is piled upon the other, the fibers of the yarn of one layer serve to fill the interstices between the next layer. This arrangement adds weight, consequently warmth, to the garment made from the fabric.

The various yarns are secured at their ends to a binding yarn 10, which may be further provided with fringe 11, of appropriate style.

What I claim is:

1. A fabric comprising parallel diagonal yarns arranged in superimposed rows, a series of transverse intermediate rows of yarn between the superimposed rows of diagonal yarns, a second series of transverse intermediate yarns at right angles to the first series of transverse intermediate yarns between the superimposed rows of diagonal yarns, and single rows of yarn below both series of the transverse intermediate rows of yarn and interposed between the diagonal rows of yarn, and tying yarns looped around and knotted to secure the diagonal, and both series of transverse, intermediate yarns, where they cross each other.

2. A fabric comprising superimposed rows of diagonal yarns arranged to form squares, a series of transverse intermediate rows of yarn extending between the corners of the squares formed by the diagonal yarns, a second series of transverse intermediate

yarns at right angles to the first series of
transverse intermediate yarns extending be-
tween the opposite corners of the squares
formed by the diagonal yarns, yarns of finer
5 gage than the transverse intermediate yarns
located over the latter and between the su-
perimposed rows of diagonal yarns, diago-
nally arranged rows of yarns under the
transverse intermediate rows of yarns and
10 interposed between the superimposed rows

of diagonal yarns and tying yarns looped
over and knotted to secure the diagonal
yarns and the transverse intermediate yarns.

In testimony whereof I have signed my
name to this specification in the presence of 15
two subscribing witnesses.

SOLOMON BELOK.

Witnesses:

W. N. WOODSON,
JNO. IMIRIE.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."
