

No. 757,851.

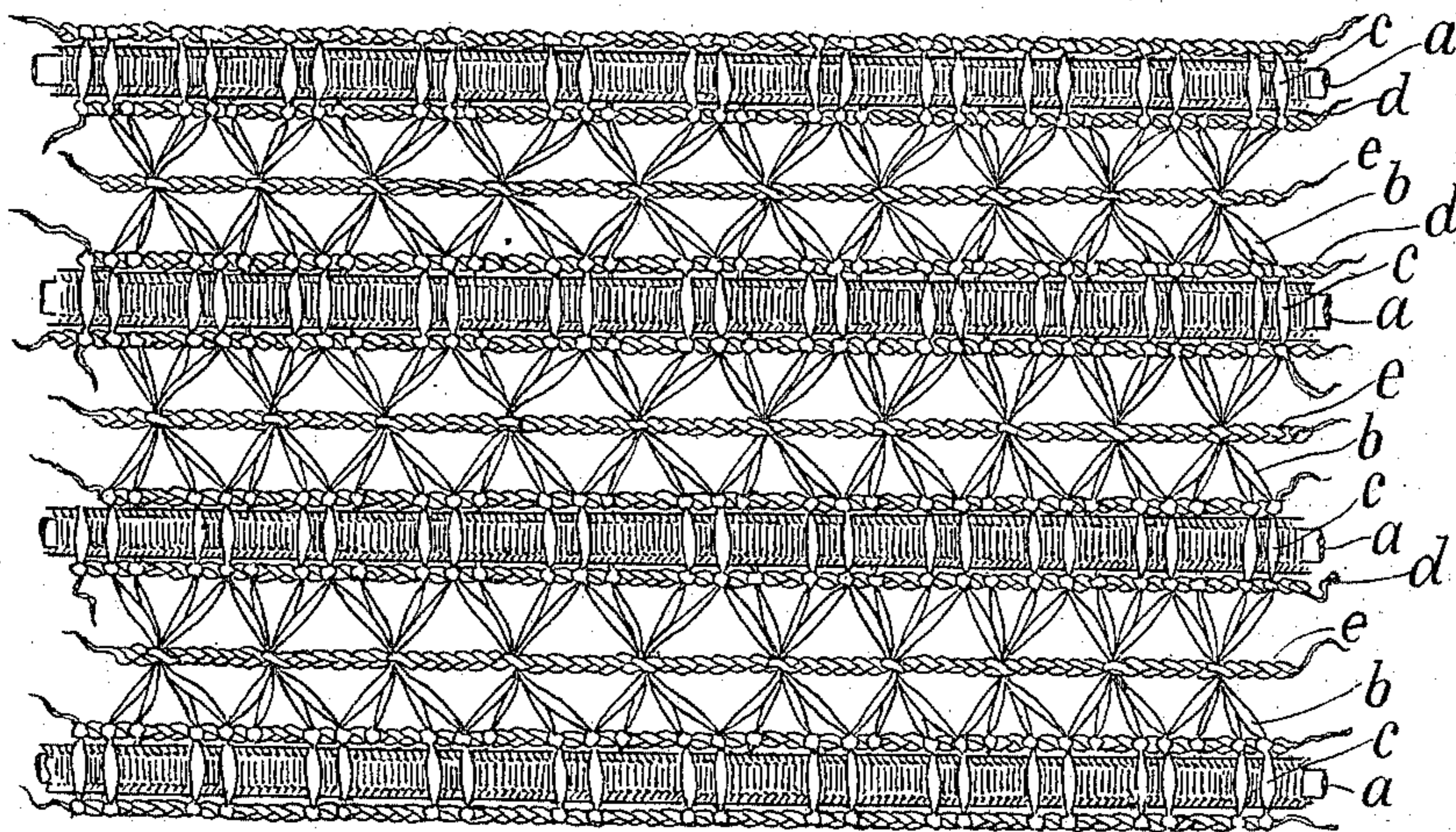
PATENTED APR. 19, 1904.

A. S. WAITZFELDER.  
ORNAMENTAL FABRIC.

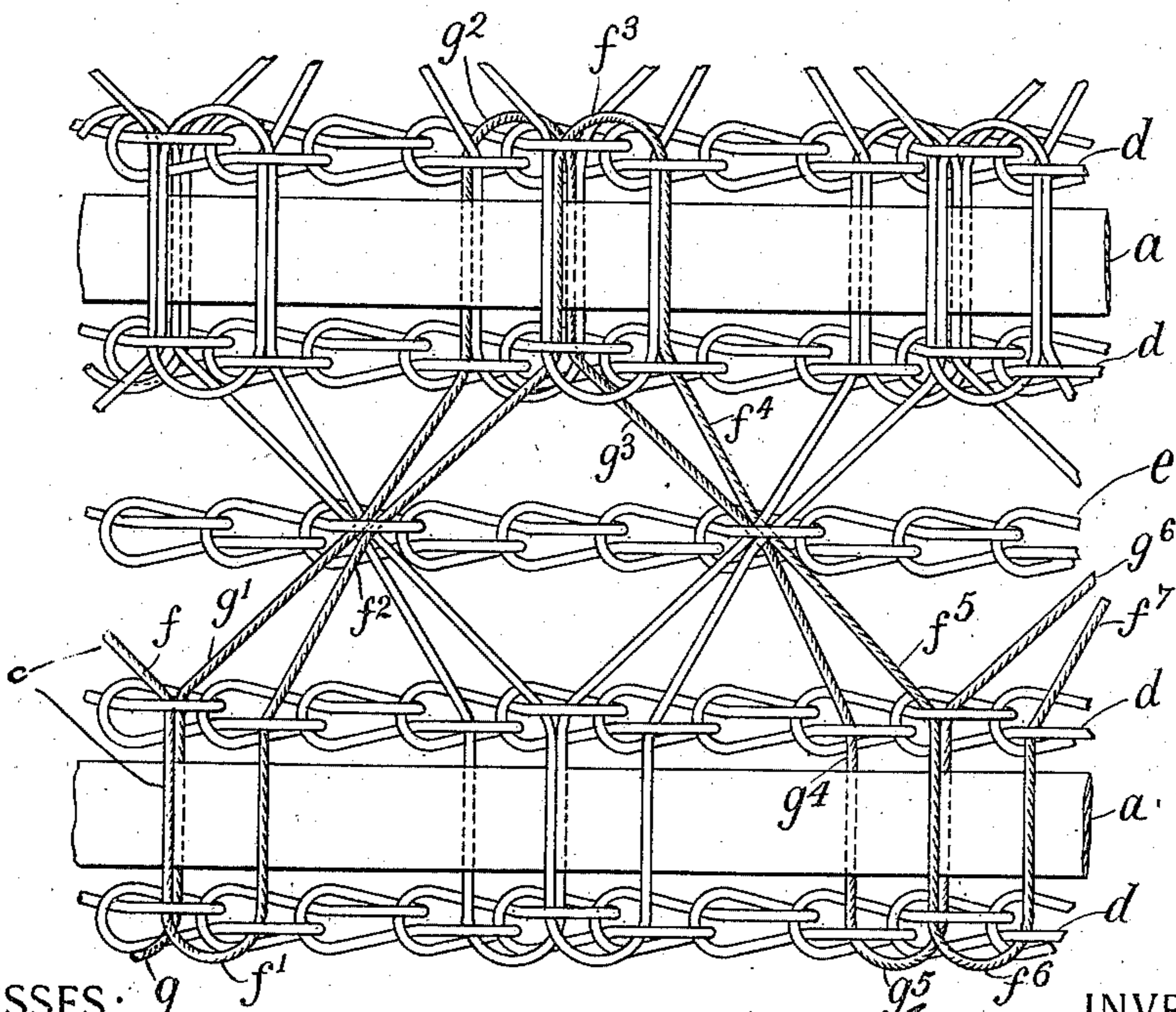
APPLICATION FILED DEC. 14, 1903.

NO MODEL.

*Fig. 1*



*Fig. 2*



WITNESSES: 9

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# UNITED STATES PATENT OFFICE.

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## ORNAMENTAL FABRIC.

SPECIFICATION forming part of Letters Patent No. 757,851, dated April 19, 1904.

Application filed December 14, 1903. Serial No. 185,065. (No specimens.)

*To all whom it may concern:*

Be it known that I, ALBERT SIDNEY WAITZFELDER, a citizen of the United States, residing in the borough of Manhattan, city, county, and State of New York, have invented certain new and useful Improvements in Ornamental Fabrics, of which the following is a specification.

My invention relates to improvements in ornamental fabrics, and will be described with particular reference to the accompanying drawings, with the understanding, however, that in describing one specific form of my invention I do not mean to be limited thereto, but desire my claims to be understood and interpreted in accordance with any limitations that may be imposed by the state of the art.

In the drawings, Figure I is a face view of the fabric embodying my invention; and Fig. II is a diagrammatic view showing one form thereof.

This specific embodiment is but one of numerous forms of which my invention may be embodied.

In the drawings, *a* indicates a series of strips. In the present instance these strips are strips of flexible material, such as ratan covered with threads running laterally thereof—in the present instance shown as the character of braiding made on a President type of braiding-machine. Intervening between these strips are open-work or other desired effects *b*, shown herein as of the general type of the Mexican stitch, the specific character of which will be disclosed in describing Fig. II.

By "Mexican stitch" I mean an open-work mesh of the general appearance of Mexican drawn-work.

The form illustrated is made on a knitting-machine, and the strips *a* are knitted into the structure by weft-threads *c*, the entire structure being a homogeneous structure, and the weft-threads running from edge to edge of the fabric. Running along each edge of the flexible strips *a* is a line of knitted stitches *d*, which may be considered to be part of the Mexican

stitch, although, strictly speaking, these lines of knitted thread may be considered as part of the warp.

In Fig. II are shown diagrammatically the course of the threads, preserving, however, the general scheme of reference-lettering in Fig. I and omitting the covering of the ratan strips for the purposes of clearer illustration. In this drawing, *a* represents the ratan strips, *d* the rows of knitted stitches at the edges of the ratan strips, and *e* the row of knitted stitches at about the middle of the space between the adjacent ratan strips, which stitches form an integral part of the Mexican stitch. The course of the weft-threads in the frame of my structure shown herein as an example or sample structure may be readily followed. For these purposes I have shown two of the threads shaded. These threads are lettered *f* and *g*, and their course or circuit may be traced as follows: In the case of the thread *f* from *f* to *f'* to *f''* to *f'''* to *f''''* to *f'''''* to *f''''''* to *f'''''''*. In the same manner the course of the thread *g* may be traced from *g* to *g'* to *g''* to *g'''* to *g''''* to *g'''''* to *g''''''* to *g'''''''*.

It will be observed that the thread *f* passes through the knitted stitch *d* at one edge of one of the ratan strips *a* to *f'*, thence through the knitted stitch at the other edge, thence across the ratan strip to the point *f''*, thence through both knitted edges of another ratan strip, and thence back to first-mentioned ratan strip, where a repeat of the movement occurs.

The ratan strip at the top of Fig. II is intended to represent one of the ratan strips forming a part of the body of the fabric and the ratan strip at the lower portion of Fig. II is intended to represent the ratan strip at the edge of the fabric, the threads being arranged on the body-strips differently than the arrangement on the edge strips.

I am aware that it has been proposed to produce a structure somewhat analogous to the one described by me by making the Mexican stitch separate from the covered flexible strips and sewing the Mexican stitch to the

edges of the covered flexible strips; but my invention is distinguished therefrom by the fact, among others, that threads forming part of the Mexican stitch extend over or around the  
 5 ratan strips, thereby producing a homogeneous fabric structure which may be made either on a knitting-machine or in any other suitable manner desired.

Having described one form of my invention and the mode of constructing same, what I claim, and desire to secure by Letters Patent, is—

1. Fabric containing strips of stiffening material separated by open-work fabric consisting of rows of loops, joined by crossed weft-threads interlooped therewith, the said stiffening-strips being substantially parallel with the rows of loops.

2. Fabric containing strips of stiffening material separated by open-work fabric consisting of rows of loops each formed from a single thread, joined by crossed weft-threads interlooped therewith, the said stiffening-strips being substantially parallel with the rows of  
 25 loops.

3. A fabric of the character described comprising spaced flexible strips located side by side, a row of loops located alongside the inner edge of each strip, another row of loops  
 30 disposed between and in spaced relation to the first-mentioned rows, and weft-threads embracing the strips and interlocked with the various rows of loops.

4. A fabric of the character described comprising spaced strips, a continuous row of knit  
 35 stitches formed from thread and located between the strips, and weft-threads embracing the strips and interlocked with the row of

stitches, said weft-threads being separate from the thread forming the row of stitches. 40

5. A fabric of the character described comprising spaced strips, a continuous row of knit stitches formed from thread and located between the strips, and weft-threads embracing the strips and interlocked with the row of  
 45 stitches, said weft-threads being disposed in intersecting relation and having their points of intersection in the row of stitching.

6. A fabric of the character described, comprising spaced flexible strips, rows of stitches  
 50 extending longitudinally along the opposite edges of said strips, and substantially parallel separate sets of weft-threads passing diagonally across the spaces between the strips, said sets having looped portions located on opposite  
 55 sides of the strips and interlocked with the rows of stitches.

7. A fabric of the character described, comprising spaced flexible strips, rows of loop-stitches extending longitudinally along the opposite  
 60 edges of the strips, another row of loop-stitches extending longitudinally between the strips and the inner adjacent rows, and separate sets of weft-threads embracing the strips and interlocked with the rows of stitches located  
 65 alongside the same, said sets of weft-threads being disposed in diagonal intersecting relation in the space between the strips and having their points of intersection located in and embraced by the said intermediate row  
 70 of stitches.

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Witnesses:

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