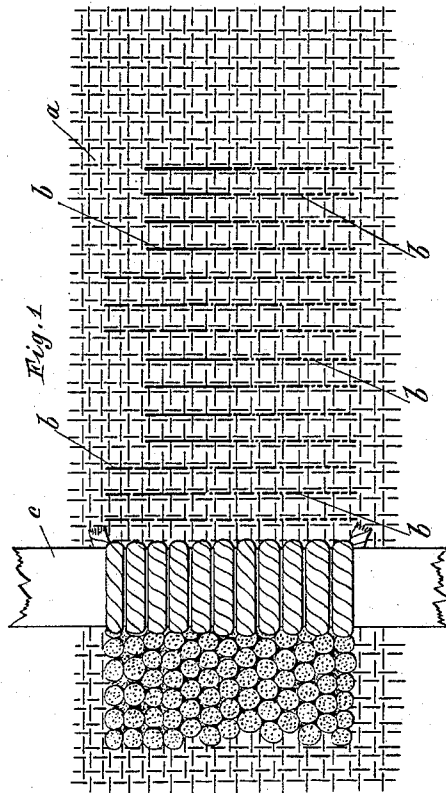
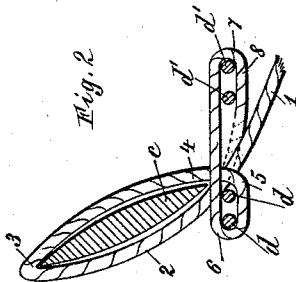


(No Model.)

J. VIALON.
NEEDLEWORK FABRIC.

No. 578,793.

Patented Mar. 16, 1897.



Witnesses,
L. V. Bigford
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UNITED STATES PATENT OFFICE.

JULIUS VIALON, OF CASSEL, GERMANY.

NEEDLEWORK FABRIC.

SPECIFICATION forming part of Letters Patent No. 578,793, dated March 16, 1897.

Application filed April 30, 1896. Serial No. 589,686. (No specimens.)

To all whom it may concern:

Be it known that I, JULIUS VIALON, a subject of the King of Prussia, Emperor of Germany, residing at Cassel, in the Kingdom of Prussia and German Empire, have invented certain new and useful Improvements in Needlework Imitation of Smyrna Carpets, of which the following is a specification.

The object of my invention is to provide a new style of embroidery or needlework using the Smyrna loop and which can be produced without requiring great skill in an easy manner and by means of a small flat rod and a needle in such a manner as to very closely resemble real Smyrna work.

In the accompanying drawings, forming a part of this specification, Figure 1 shows a piece of my improved Smyrna needlework in its different stages; Fig. 2, a section through the rod, showing the manner of forming the loops.

The patterns to be produced are produced on the material or body on which the embroidery or needlework is to be made, and it is immaterial whether the pattern is large or small.

The person making the embroidery need not take the trouble of counting the number of stitches for each color and needs no special pattern.

In Fig. 1, *a* is the open-mesh canvas, and the pattern to be worked is produced in colored threads *b*, which cover the entire surface on which the design or pattern is to be produced, so that the person can tell at any time with what color to work without requiring any searching for colors.

The work is done in the following manner: A thread 1, carried by a needle, (not shown,) passes from below through a mesh in the canvas, around the flattened wooden rod or former *c*, and then down through another mesh, thereby forming the loop 2 3 4. The thread is then passed around the weft-threads *d*, *d*, forming loop 5 6, and finally around the two canvas wefts *d'* *d'* to form loop 7 8, which is the beginning of the next stitch or loop 2 3 4.

For each stitch two canvas-holes, one above the other, are required, which at four sides each are bounded by two warps or wefts of the canvas. One hole is for the loop 2 3 4 and the one above for the completed half-stitch. After one stitch has been made the needle is carried through the adjacent canvas-hole, which is in the line of the first stitch, the thread drawn so as to form a loop, and in the same manner the thread is drawn through the loop above in the same manner as for the first stitch. The thread is then carried from right to left under the rod, a loop made, and a half-stitch drawn through the hole above. The thread must also embrace two wefts of the canvas and at the half-stitch must always be at the left of the needle.

If the color is to be changed, the thread is cut off at the height of the rod after the half-stitch has been completed and start with the following color of the pattern, precisely as when beginning the work. For each thread of a different color a separate needle is used to avoid the frequent threading. When a row is completed, the loops are cut at the centers, and thus Smyrna work is obtained. If the cutting is done carefully, which can easily be done, the end and beginning of the work need only be cut uniform with the ends of the remaining threads.

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

Smyrna needlework comprising an open-mesh canvas backing having loose loops 2, 3, 4, and double tight-loops 5, 6 and 7, 8 passing respectively around adjacent pairs of weft-threads *d*, *d* and *d'*, *d'* of the piece of canvas, substantially as herein shown and described.

In witness whereof I have hereunto set my hand in presence of two witnesses.

JULIUS VIALON.

Witnesses:

C. H. BRAUN,
H. L. ROTHFUCHS.