

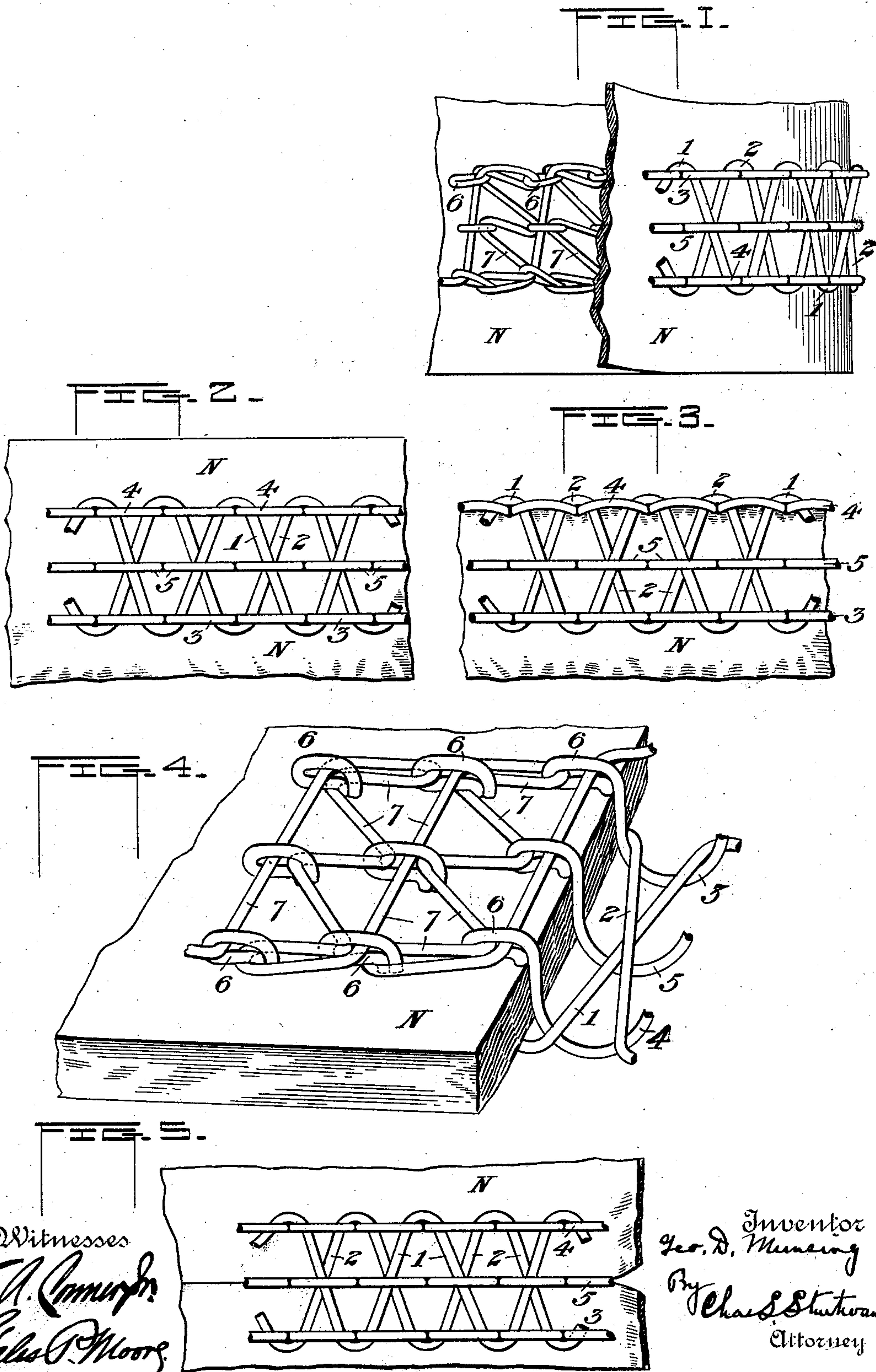
(No Model.)

G. D. MUNSING.

SEAM FOR UNITING OR ORNAMENTING FABRICS.

No. 506,525.

Patented Oct. 10, 1893.



UNITED STATES PATENT OFFICE.

GEORGE D. MUNSING, OF MINNEAPOLIS, MINNESOTA, ASSIGNOR, BY DIRECT AND MESNE ASSIGNMENTS, TO THE UNION SPECIAL SEWING MACHINE COMPANY, OF CHICAGO, ILLINOIS.

SEAM FOR UNITING OR ORNAMENTING FABRICS.

SPECIFICATION forming part of Letters Patent No. 506,525, dated October 10, 1893.

Original application filed April 16, 1892, Serial No. 429,409. Divided and this application filed May 4, 1893. Serial No. 472,935.
(No model.)

To all whom it may concern:

Be it known that I, GEORGE D. MUNSING, a citizen of the United States, residing at Minneapolis, in the county of Hennepin and State of Minnesota, have invented certain new and useful Improvements in Seams, of which the following is a description, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon.

This application is a division of application Serial No. 429,409, filed by me April 16, 1892.

My invention is an improved seam which is adapted to be used as an ornamental border on the edges of fabrics, on the flat face thereof, or for uniting the edges of the same.

It consists in the matters hereinafter described and referred to in the appended claims.

In the accompanying drawings, which illustrate my invention:—Figure 1 is a plan view of my six-thread stitch as applied to a fabric, said fabric being upturned at one end to show a bottom view of the stitch on the left, and a top view on the right. Fig. 2 is a top plan view of the stitch made according to my invention and applied as an ornament to the flat face of a fabric. Fig. 3 is a similar view of the stitch applied to the edge of a fabric for ornamenting it. Fig. 4 is an enlarged plan view of the stitch. Fig. 5 shows the stitch for uniting the edges of two pieces of fabric.

In said application filed April 16, 1892, Serial No. 429,409, I have shown, described, and claimed the construction of machine which I prefer to use to make my improved stitch. It will be understood, however, that I do not wish to be limited to any particular machine for making the stitch as it can be made by hand or in any other suitable way. Suffice it to say, however, that in a machine for making the stitch or seam, there should be mechanism for making three parallel rows of stitches and a thread carrying device reciprocating back and forth across the line of the seam to lay an additional thread or threads between the rows of stitches which stitches secure the same to the fabric.

In the accompanying drawings, which illustrate the invention and the various adaptations of its use, N, represents the fabric to which the seam is applied. This seam is composed of the upper threads 3, 4, and 5, each having a series of loops 6, arranged parallel to each other and passed down through the fabric. The loops are preferably secured to the under side of the fabric by a single thread 7, which passes through and around said loops in the manner illustrated in Figs. 1 and 4, thereby forming three parallel rows of stitches. I do not wish, however, to be limited to a single under thread for securing all three loops to the fabric as any desired number may be used.

As shown two cross threads 1, 2, are laid between the outer rows of stitches, said threads being passed alternately from one outer row of stitches to the other, crossing each other diagonally in the center and being bound down to the fabric on the outer edges of the seam by the upper threads 3, 4, and at the point of crossing by the thread 5. It will be seen that this seam is useful for making an ornamental edging on a fabric, for ornamenting the flat surface thereof, and for joining together the edges of fabrics either after they have been trimmed, as shown in Fig. 5, or the edges may be lapped and trimmed and sewed in a continuous operation. When used for uniting the edges of two pieces of fabric as shown in Fig. 6, the edges are abutted, the loops of the threads 3 and 4 passing down through the fabrics within their edges, the threads 1 and 2 encircling the loops in said threads 3 and 4 and crossing each other at the meeting line of the fabrics, the loops in the thread 5 passing down between the fabrics at the meeting line and binding the cross-threads together, the loops 6 in the threads 3, 4 and 5 being secured by the looper thread 7, a loop of which first passes through a loop in each thread 3, 4 and 5, then encircles the succeeding loop in thread 3, then passes through the succeeding loop in thread 4, and encircles the succeeding loop in thread 5.

While I have herein shown and described the use of two cross threads upon the upper surface of the fabric it will be understood

that I do not wish to be limited to this number only, my claims being drawn broadly enough to cover any number.

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

1. The combination with the fabric, the upper threads 3, 4 and 5 having a series of loops passed down through the fabric the thread 7 having a series of loops, each loop lying within a loop 6 of threads 3, 4 and 5, encircling a succeeding loop in the threads, 3 and 4, and lying within a succeeding loop in thread 5, and an upper thread extending diagonally between the rows of stitches 3 and 4, and provided with loops encircling the loops in said outer rows of stitches and secured also by the intermediate thread 5; substantially as described.

2. The combination with two pieces of fabric having their edges abutting of a series of parallel rows of stitches, the outer of which pass respectively through the fabrics within the edges thereof, a cross thread connecting the outer rows, an intermediate row of stitches for securing the cross threads having loops formed at the meeting line of the fabrics and

which bind the edges of the same, and a lower cross thread connecting the rows on the under surface of the fabric; substantially as described.

3. The combination with two pieces of fabric having their edges abutting, the upper threads 3 and 4 having a series of loops passed down respectively through the fabrics, the upper thread 5 having loops passed down at the meeting line of the fabrics, the thread 7 having a series of loops, each loop lying within a loop 6 of threads 3, 4 and 5 encircling a succeeding loop in threads 3 and 4 and lying within a succeeding loop in thread 5, upper threads extending diagonally between the rows of stitches 3 and 4 crossing each other in the center, and provided with loops encircling the loops in the outer rows of stitches and bound together by the intermediate thread 5; substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

GEORGE D. MUNSING.

Witnesses:

C. G. HAWLEY,
F. S. LYON.