

No. 681,669.

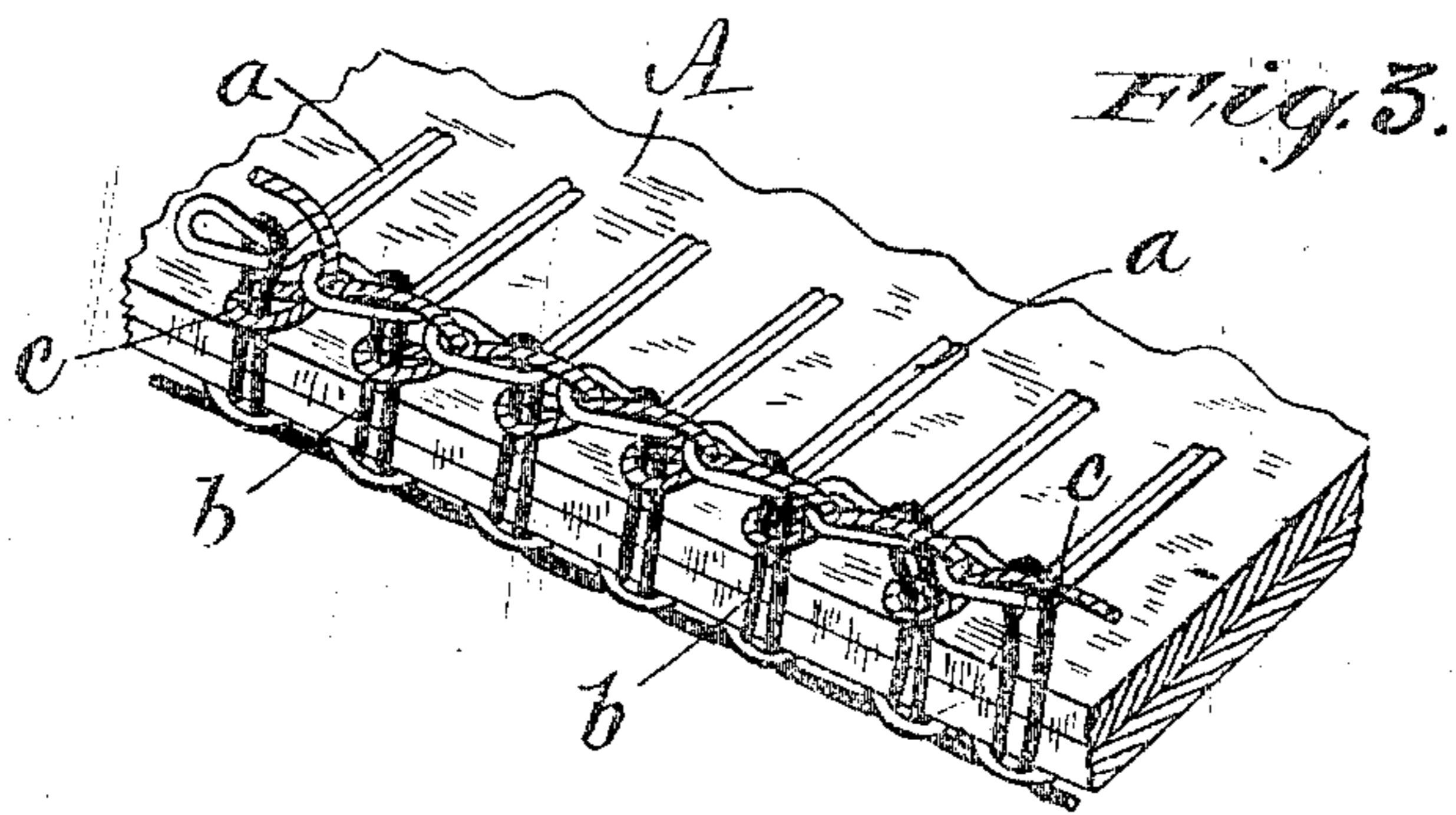
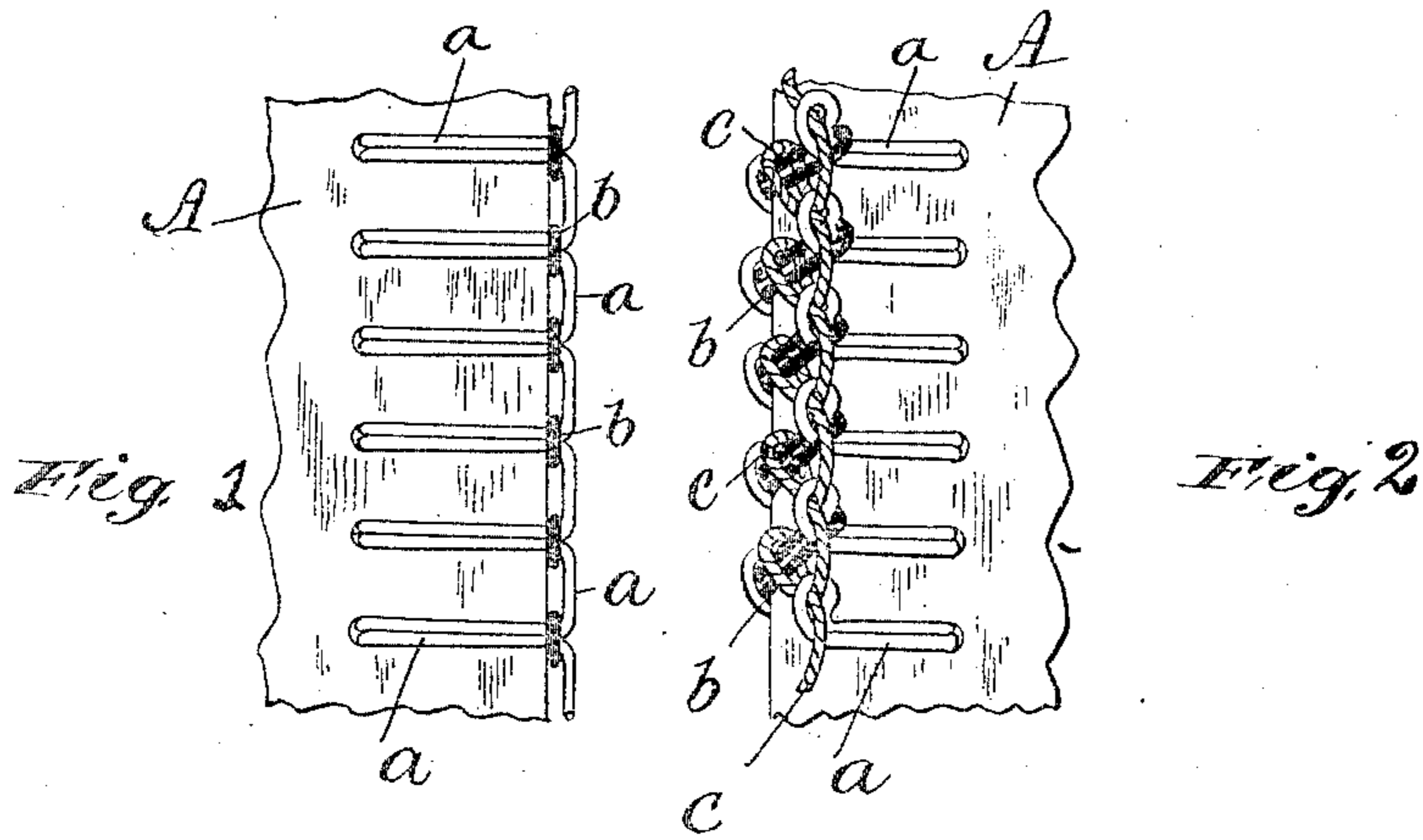
Patented Sept. 3, 1901.

E. B. ALLEN.

OVERSEAM FOR SEWED ARTICLES.

(Application filed Jan. 31, 1898. Renewed Jan. 17, 1901.)

(No Model.)



WITNESSES:

C. M. Benjamin,
C. M. Sweeney.

INVENTOR:

Edward B. Allen
BY
Henry Calver
ATTORNEY

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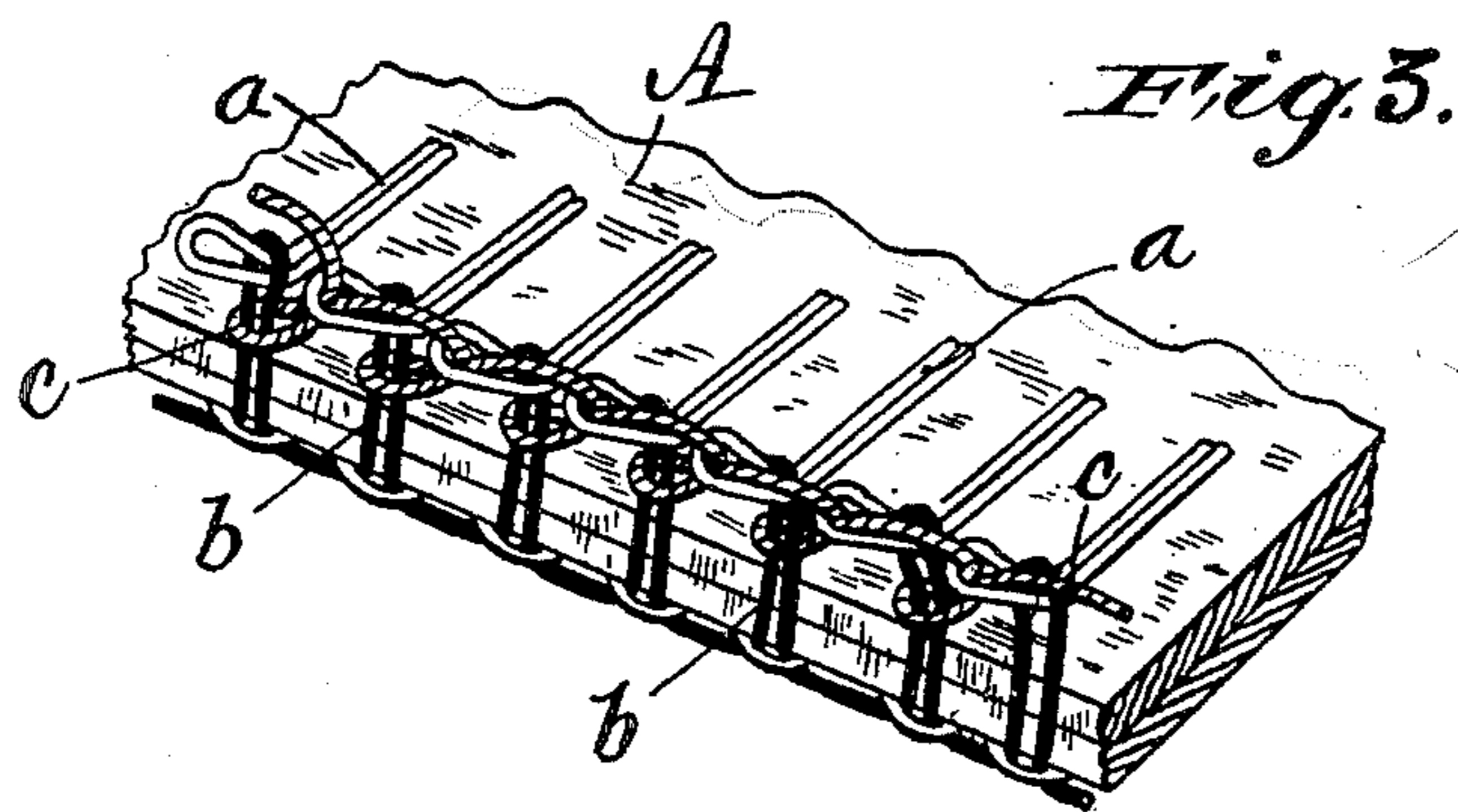
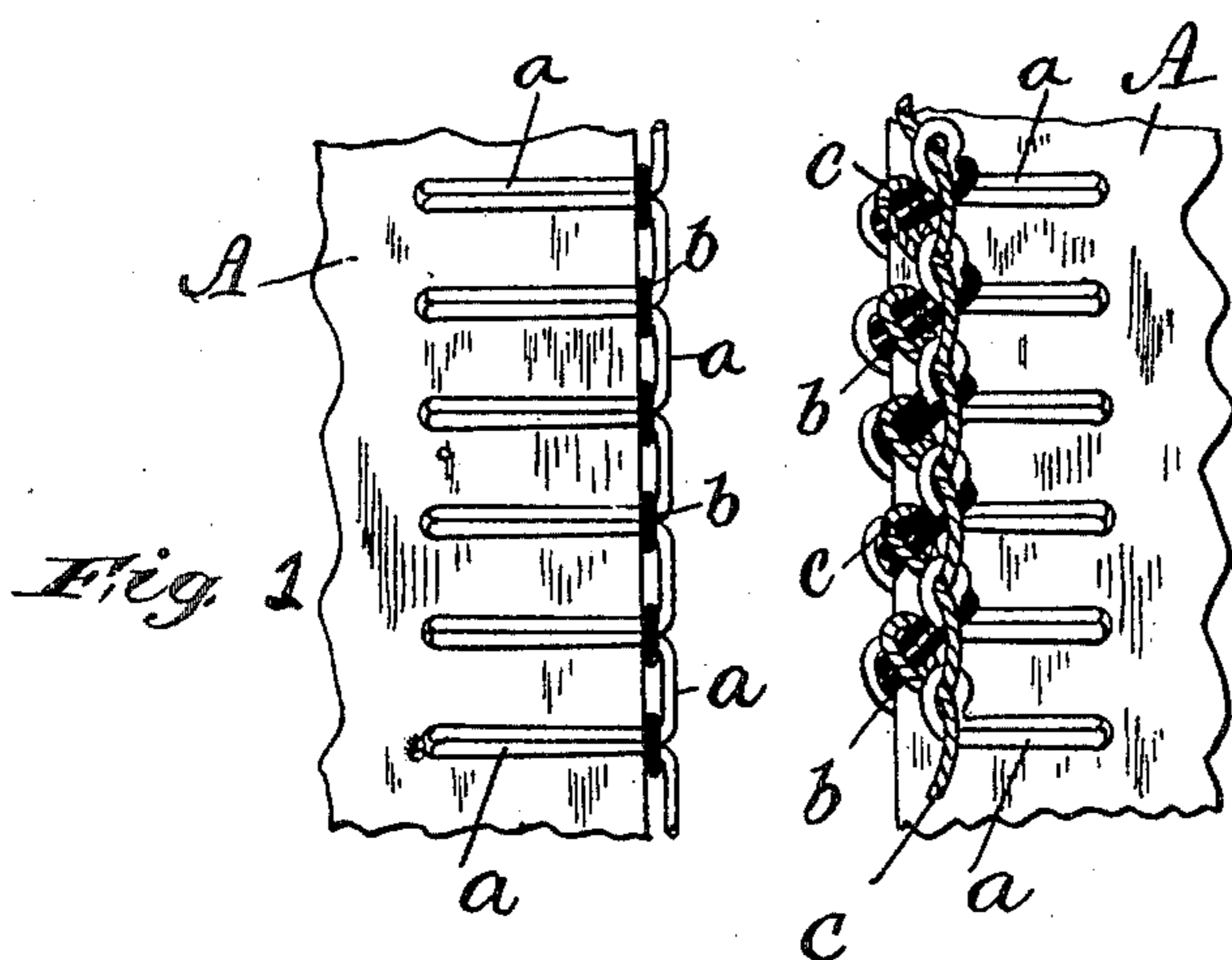
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UNITED STATES PATENT-OFFICE.

EDWARD B. ALLEN, OF ELIZABETH, NEW JERSEY, ASSIGNOR TO THE SINGER
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OVERSEAM FOR SEWED ARTICLES.

SPECIFICATION forming part of Letters Patent No. 681,669, dated September 3, 1901.

Application filed January 31, 1898. Renewed January 17, 1901. Serial No. 43,627. (No specimens.)

To all whom it may concern:

Be it known that I, EDWARD B. ALLEN, a citizen of the United States, residing at Elizabeth, in the county of Union and State of New Jersey, have invented certain new and useful Improvements in Overseams, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention has for its object to provide an improved overedge or buttonhole seam having purled edges on both sides of the work, so that a buttonhole stitched thereby will present a finished appearance on both faces of a garment into which it has been worked, the seam being of such a character that the raw or cut edges of the fabric will be well covered and the threads of the seam being so concatenated or interlooped that the stitches will not be liable to unravel at the end of a seam or if a thread breaks.

The improved overseam is composed of three threads, two of which will be supplied by two needles and the third by a looper, the depth-stitch needle passing through the material back from its edge and the overedge-needle passing down by the edge of the material being overseamed. The edge-stitch needle will be timed to make its reciprocation about a half of a revolution of the driving-shaft of the sewing-machine in advance of the reciprocation of the depth-stitch needle, each needle making one reciprocation at each revolution of said driving-shaft.

In the accompanying drawings, Figures 1 and 2 are diagrammatic top and bottom views, respectively, of the improved overseam; and Fig. 3, a diagrammatic perspective bottom view thereof.

In forming the improved overseam a loop of depth-stitch thread *a* is carried to the edge of the material *A* on the upper side of the work, and a loop of looper-thread *c* is presented at the edge of the material on the lower side of the work. A loop of edge-stitch thread *b* is now passed down through the upper loop of depth-stitch thread and through the loop of looper-thread, and said loop of edge-stitch thread is then carried inward from the edge of the material. A loop of depth-stitch thread *a* is now passed through the material back

from the edge of the work and through the loop of edge-stitch thread, and a loop of looper-thread is then passed through the lower or last-named loop of depth-stitch thread and is carried to the edge of the material in readiness to be entered by the edge-stitch loop of the next succeeding stitch. As the edge-stitch loop is tightened by the take-up it draws the depth-stitch loop to the edge of the material on the lower side of the work. With the three threads concatenated and drawn up or tightened as just described the finished double-purled overseam will comprise a depth-stitch thread *a*, passing through the material and having loops extended to the edge thereof on both sides of the work, an edge-stitch thread *b*, having loops passing through the upper loops of depth-stitch thread and around the lower depth-stitch loops, and a lower or looper thread *c*, looped through the lower loops of depth-stitch thread and around the loops of edge-stitch thread. The purl edge of the overseam at the upper side of the work will be formed by the interlooped depth-stitch threads, and the purl edge at the lower side of the work will be formed by the interlooping of all three of the threads composing the overseam, as more clearly shown by Fig. 3.

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

The herein-described overseam, comprising the combination with suitable fabric or material, of a depth-stitch thread *a* passing through the material and having loops extended to the edge of the fabric on both faces of the latter, an edge-stitch thread *b* having loops passed through the upper loops of said depth-stitch thread and also around the lower depth-stitch loops, and a third or looper thread *c* having loops passing through the lower loops of depth-stitch thread and around the loops of edge-stitch thread.

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

EDWARD B. ALLEN.

Witnesses:

HENRY J. MILLER,
HAROLD W. BROWN.