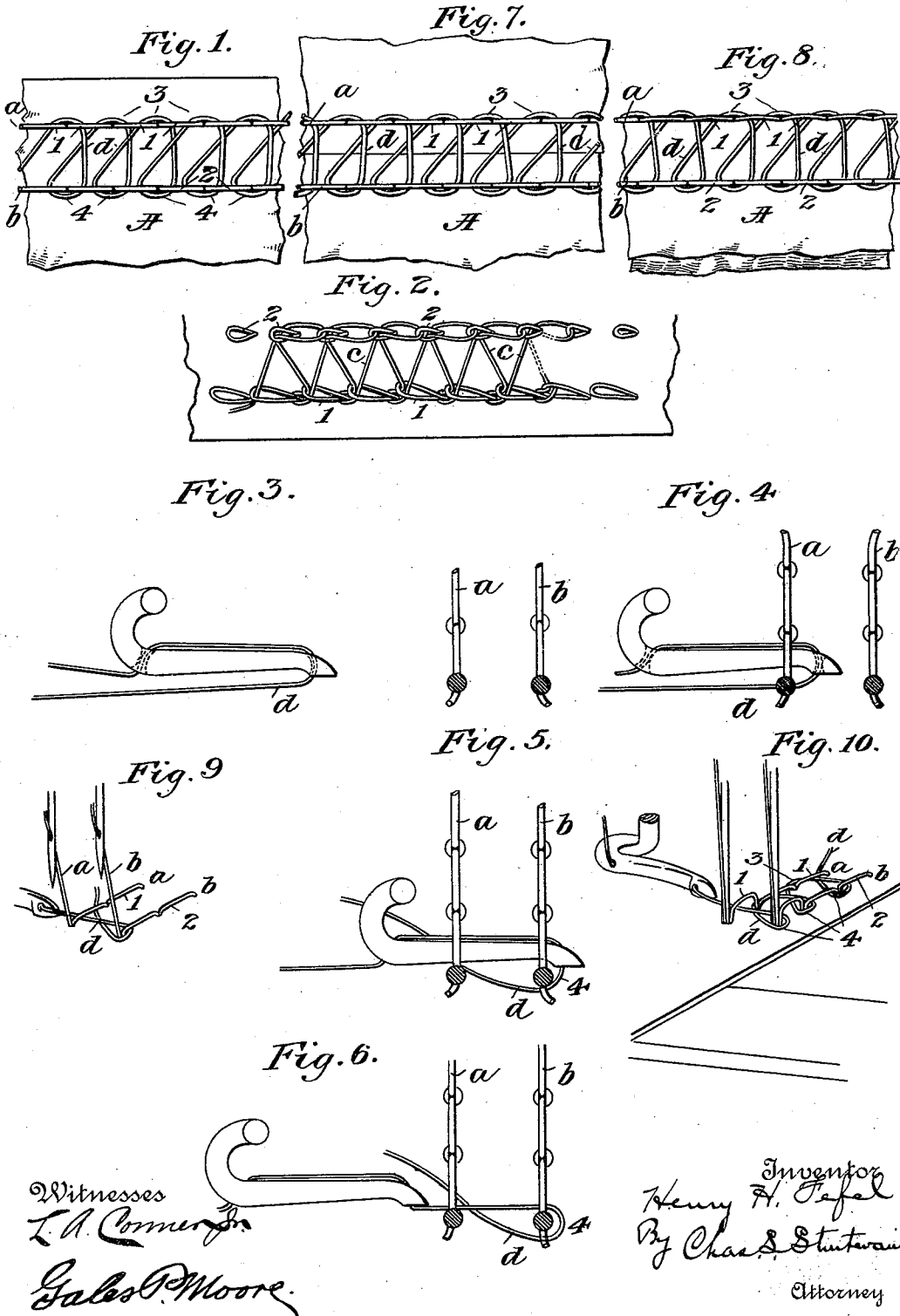


(No Model.)

H. H. FEFEL.
SEAM FOR SEWED ARTICLES.

No. 541,478.

Patented June 25, 1895.



UNITED STATES PATENT OFFICE.

HENRY H. FEFEL, OF NEW YORK, N. Y., ASSIGNOR TO THE UNION SPECIAL SEWING MACHINE COMPANY, OF CHICAGO, ILLINOIS.

SEAM FOR SEWED ARTICLES.

SPECIFICATION forming part of Letters Patent No. 541,478, dated June 25, 1895.

Application filed October 8, 1892. Serial No. 448,217. (No model.)

To all whom it may concern:

Be it known that I, HENRY H. FEFEL, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Seams for Sewed Articles, of which the following is a description, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon.

My invention relates to an improved seam for use in uniting, overseaming or ornamenting fabrics. I have designed the same for use principally upon knit fabrics, but of course it will be understood that it can be applied for any purpose and upon any kind of fabrics.

In an application filed by me of even date herewith, Serial No. 448,218, I have shown, described and claimed a machine which is adapted to make this stitch, but it will, of course, be understood that the same may be made by hand, or on other machines.

The object of the invention is to provide a strong and elastic seam and one which at the same time is ornamental.

The invention consists in the seam herein-after described and claimed.

In the accompanying drawings, Figure 1 is a top plan view of the seam applied to the flat face of a fabric for ornamentation. Fig. 2 is a bottom plan. Figs. 3, 4, 5, and 6 represent diagrammatic views of the manner of forming the seam, the various parts being represented in different positions. Figs. 7 and 8 represent different applications of the seam. Figs. 9 and 10 show position of looper with respect to the needles and their threads.

Referring to the drawings A represents the fabric to which the stitches are to be applied, said stitch being applied for joining, overseaming or ornamenting fabrics as shown in Figs. 1, 7 and 8.

The seam is composed of the fabric A combined with threads *a*, *b* in which are formed continuous rows of loops 1, 2 passed down through the fabric and secured on the under side by a single under thread *c* which has two series of loops each of the loops of one of these series passing through a loop 1 in one of the upper threads and encircling a succeeding loop 1, and each of the loops of the other series having one strand passing through two suc-

cessive loops 2; and said seam also includes a fourth thread *d* passed back and forth between the two rows of loops upon the upper surface of the fabric and having open loops 3 encircling the loops 1, both strands of said loops 3 being below the plane of the thread *a*, and having closed loops 4 encircling the loops 2 in the thread *b*, the strands of said loops 4 being also always below the plane of the thread *b*.

I claim as my invention—

1. The herein described seam comprising the fabric A, the threads *a*, *b* each provided with continuous rows of loops 1, 2, said rows being parallel one with another, a thread *c* passing diagonally back and forth between the rows of loops on the under surface of the fabric for locking said loops 1, 2, and a fourth thread *d* passing back and forth between the rows of loops upon the upper surface of the fabric and having open loops 3 encircling the loops 1, both strands of said loop 3 being below the plane of the thread *a*, and closed loops 4 encircling the loops 2 in the thread *b*, the strands of said loops 4 being also always below the plane of the thread *b*, all substantially as described.

2. The herein described seam comprising the fabric A, the threads *a*, *b* having parallel rows of loops 1, 2 passed through said fabric, the thread *c* on the under surface of the fabric having two series of loops, each of the loops of the one series passing through a loop 1 and encircling a succeeding loop 1, and each of the loops of the other series having one strand passing through two successive loops 2, and a fourth thread *d* passing back and forth between the rows of loops upon the upper surface of the fabric and having open loops 3 encircling the loops 1, both strands of said loops 3 being below the plane of the thread *a*, and closed loops 4 encircling the loops 2 in the thread *b*, the strands of said loops 4 being also always below the plane of the thread *b*, substantially as described.

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

HENRY H. FEFEL.

Witnesses:

J. H. HOWELL,
HENRY R. BOYLE.