

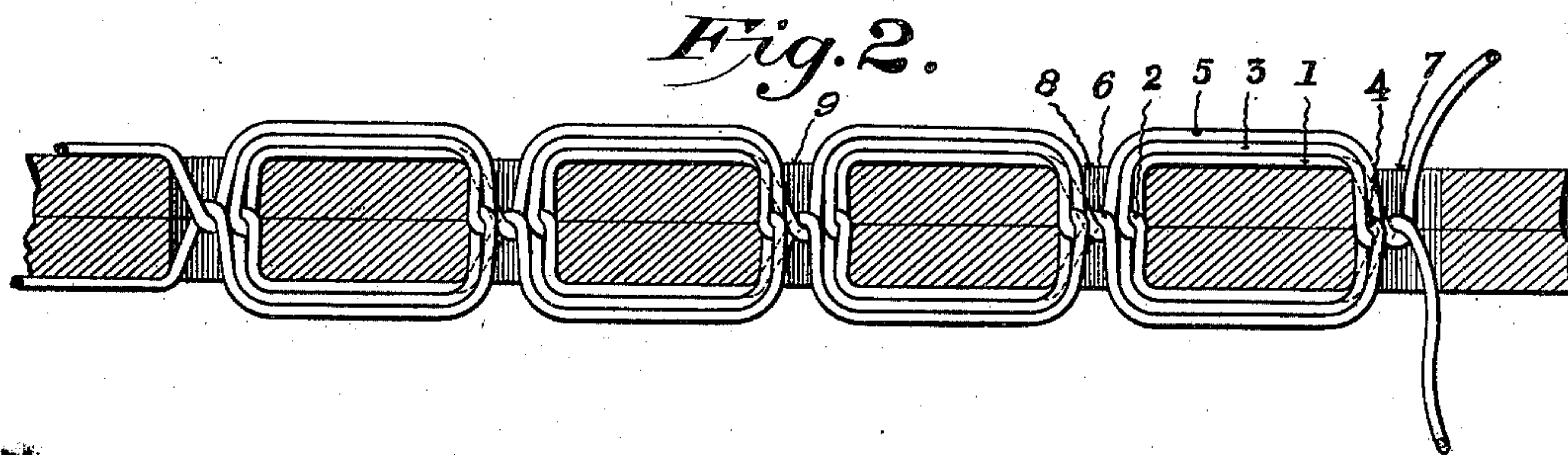
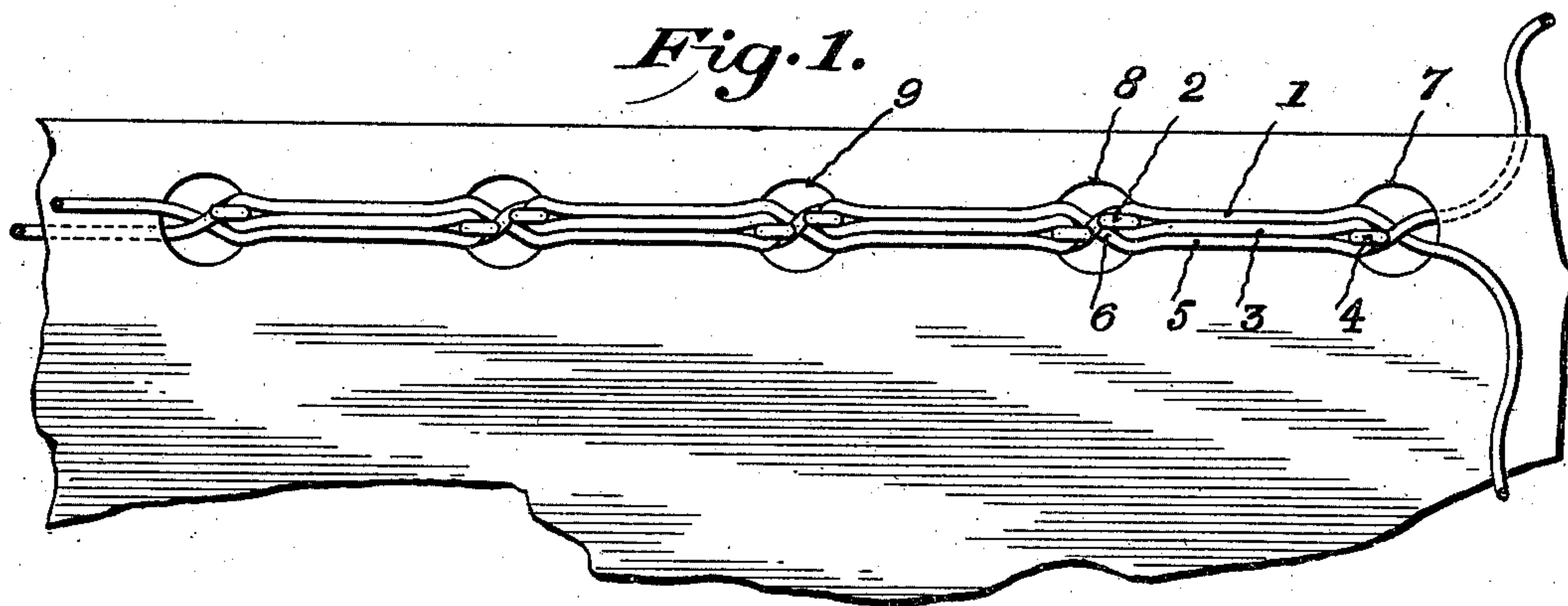
No. 708,467.

Patented Sept. 2, 1902.

G. H. DIMOND.
STITCHED SEAM.

(Application filed July 13, 1901.)

(No Model.)



WITNESSES:

J. F. Finch.
E. H. Finch.

INVENTOR

George H. Dimond
BY *W. H. Finch*
ATTORNEY

UNITED STATES PATENT OFFICE.

GEORGE H. DIMOND, OF BRIDGEPORT, CONNECTICUT, ASSIGNOR TO
WHEELER & WILSON MANUFACTURING COMPANY, OF BRIDGE-
PORT, CONNECTICUT, A CORPORATION OF CONNECTICUT.

STITCHED SEAM.

SPECIFICATION forming part of Letters Patent No. 708,467, dated September 2, 1902.

Application filed July 13, 1901. Serial No. 68,173. (No model.)

To all whom it may concern:

Be it known that I, GEORGE H. DIMOND, a citizen of the United States, residing at Bridgeport, in the county of Fairfield and State of Connecticut, have invented a certain new and useful Improvement in Stitched Seams, of which the following is a full, clear, and exact description.

In many articles of wearing-apparel, and particularly in gloves made of leather or skin, it is of importance not only that seams be tightly and strongly sewed, but also that they be capable of yielding or stretching under strain, so as to yield without breaking the stitches. Various attempts to produce such seams have been made prior to this invention with more or less success. I have found a satisfactory solution in a seam sewed with a single needle-thread and a single shuttle or bobbin thread, each stitch of which is triple—that is to say, in a single given length or stitch the thread passes forward, then backward, and then forward in one and the same length of fabric, and then these operations are repeated in the next advance, and so on for any length of seam, each stitch of the triple stitch being locked.

In the accompanying drawings, illustrating my invention, in the several figures of which like parts are similarly designated, Figure 1 is a plan view of part of a seamed fabric. Fig. 2 is a vertical longitudinal section. Fig. 3 is a diagram of the upper or needle thread.

Obviously the drawings show the parts exaggerated.

In forming a seam in accordance with my invention the plies of material are overlapped, and then the article is sewed on a sewing-machine having an upper and lower thread, preferably a lock-stitch sewing-machine, and the needle is caused to pierce the material and its thread is interlocked with the lower or shuttle or bobbin thread. Then the needle rises and an advance of a stitch length is made and the needle again pierces the mate-

rial, and again its thread is interlocked with the under thread. Then the needle rises and, descending, enters the first-made hole and again interlocks with the under thread. Then the needle rises again and, descending again, enters the second hole and its thread is interlocked with the under thread. Thus three lengths of needle-thread and three lengths of under thread are laid between two holes and interlocked to make a triple stitch in a single given distance. Starting with the second hole, the needle makes a third hole and three equal lengths of interlocked threads are laid between the second and third holes, and these three lengths of needle and under threads are substantially equal to each other and to those laid between the first and second holes. These operations are repeated for the formation of any desired length of seam.

In the drawings, 1 may represent the first laid stitch and 2 its lock, 3 the second stitch and 4 its lock, and 5 the third stitch and 6 its lock.

7 is the first needle-hole, 8 the second, and 9 the third.

The other stitches illustrated in the drawings are formed in similar manner to those described.

I have found that a seam sewed in this way is very strong and at the same time elastic and is especially adapted for use in leather or skin driving-gloves and other articles which are subjected to severe strains.

What I claim is—

A stitched seam, comprising a series of stitches and a fabric, such as a glove, in which said stitches are made, said seam consisting of superposed interlocked triplets of thread of equal length.

In testimony whereof I have hereunto set my hand this 10th day of July, A. D. 1901.

GEORGE H. DIMOND.

Witnesses:

F. W. OSTROM,
C. N. WORTHEN.