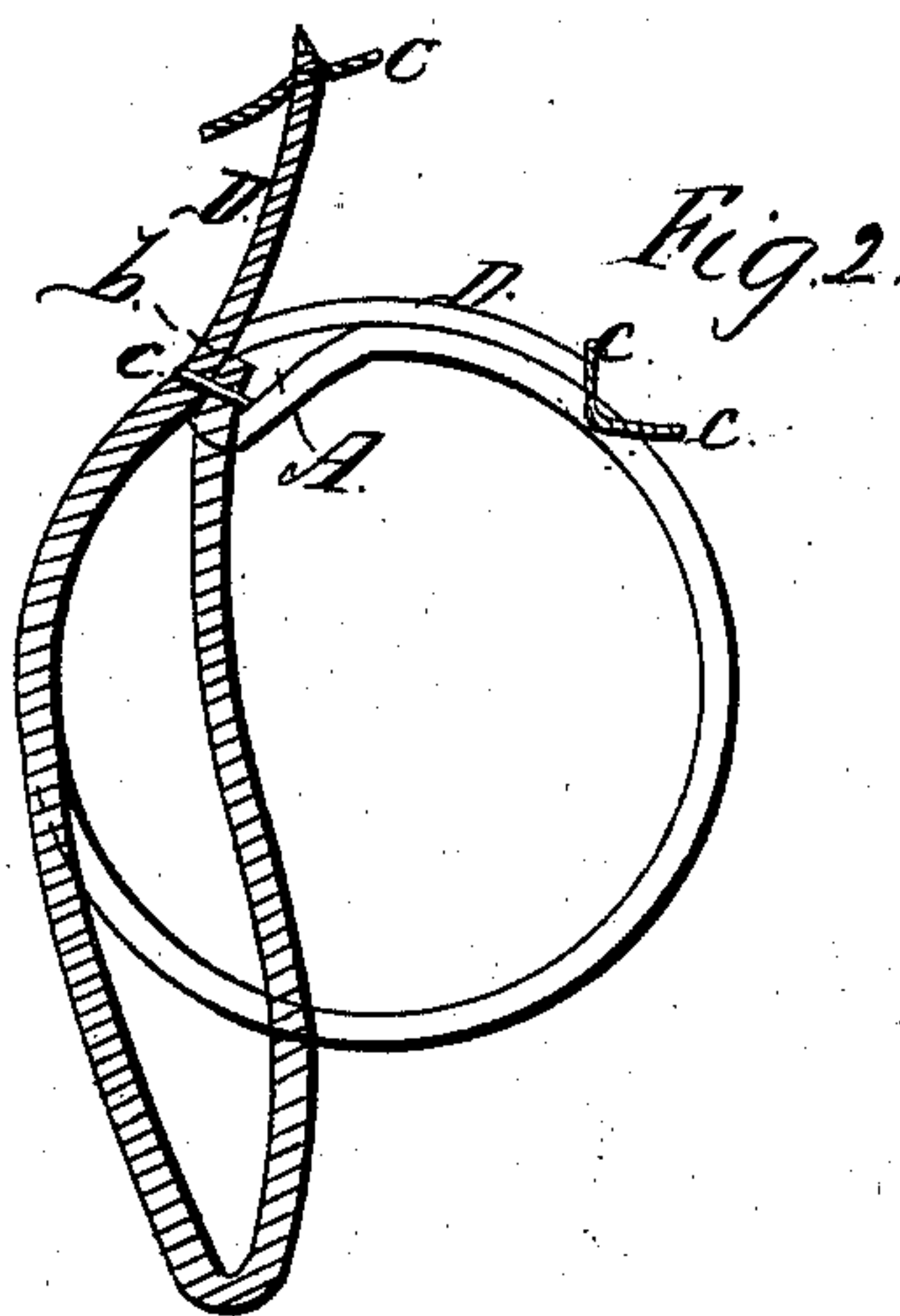
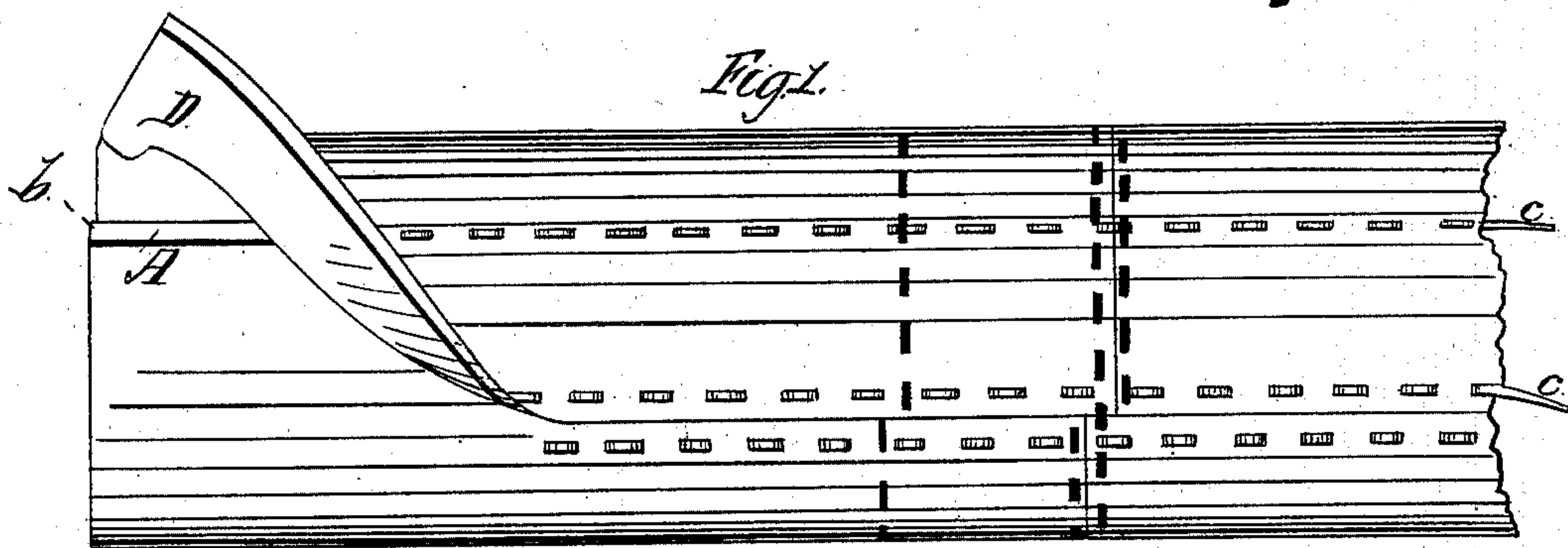


C. F. W. Meyer,

Leather Hose,

Nº 68,641.

Patented Sep. 10, 1867.



Witnesses.
H. H. Young
Sydney E. Smith.

Inventor.
Charles F. W. Meyer
By David A. Bur.
att.

United States Patent Office.

CHARLES F. W. MEYER, OF OCONOMOWOCK, WISCONSIN.

Letters Patent No. 68,641, dated September 10, 1867.

IMPROVEMENT IN LEATHER HOSE.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, CHARLES F. W. MEYER, of Oconomowock, in the county of Waukesha, and State of Wisconsin, have invented a new and useful Improvement in Making Leather Hose Pipes; and I do hereby declare the following to be a full, clear, and exact description of my invention, reference being had to the accompanying drawings, in which—

Figure 1 is an elevation, and

Figure 2 a transverse sectional view of my improved hose pipe, illustrating the mode of its construction.

The nature of my invention consists of an improved method of forming the seam to unite the edges of the pieces in the manufacture of leather hose pipes, whereby the inner surface is left smooth and the stitch apertures do not penetrate from the interior to the exterior thereof when the pipe is finished, whilst at the same time a very strong seam is secured capable of withstanding an amount of pressure which would break the leather itself.

To enable others skilled in the art to make and use my invention, I will describe its construction.

I cut my leather intended for the hose of a width corresponding to the size of the hose required, allowing for the breadth of the seam. I then, with a suitable gauge, mark the width of the intended seam, then place one edge, A, of the leather strip close to and under a line, b, marked upon its inner surface for the inner edge of the seam (as illustrated in positive lines, fig. 2,) and then, with a leather thread, c, I sew through the leather with a single thong. I then lap down the projecting flap or strip of leather, D, left above the line of juncture b, already formed, as shown by red lines in fig. 2, and sew it fast without passing the stitches through the inner surface of the leather or puncturing the same, as clearly shown in the drawing. By this method of forming the seam I secure a perfect hose in which there can be no danger of a ruptured seam, for the pressure of the water within the hose presses the leather in the seam together, strengthening the seam so that it cannot break or rip. The inner surface of the hose is left also entirely smooth, and the thread or leather thong is in no way exposed to the direct action of the water flowing through the hose, but when it is wet through the thongs will swell so as to prevent effectually any possibility of leakage thereat.

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

Uniting the pieces constituting a leathern hose pipe, by a lapped seam sewed with leather thongs, in the manner herein described.

CHARLES F. W. MEYER.

Witnesses:

D. W. SMALL,

GEORGE F. WESTOVER.