(No Model.)

C. W. REYNOLDS.

PROCESS OF MAKING SHOES.

No. 299,422. Patented May 27, 1884.

Fig. 1

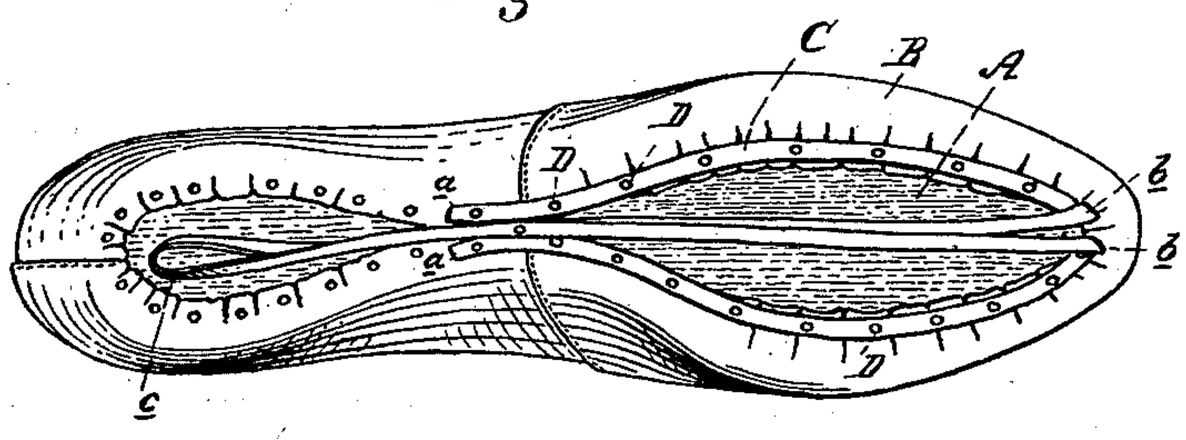
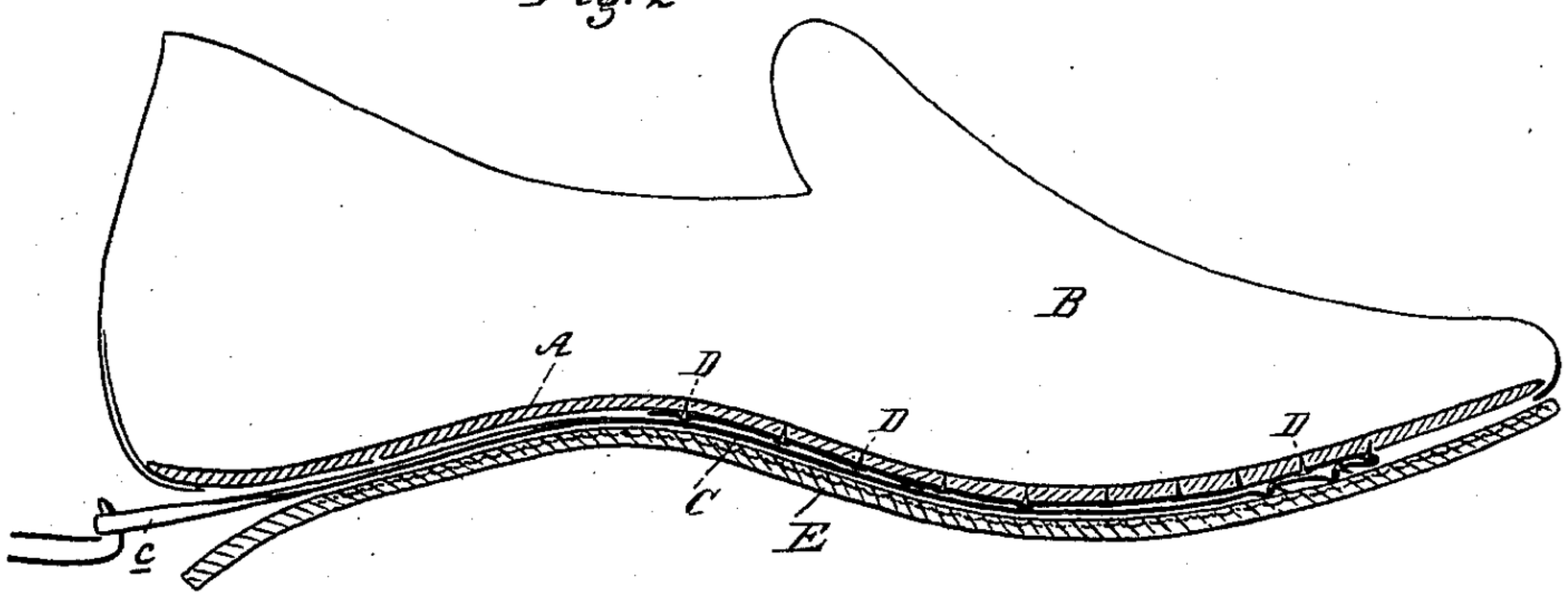


Fig. 2



Witnesses:
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Inventor:
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UNITED STATES PATENT OFFICE.

CHARLES W. REYNOLDS, OF DETROIT, MICHIGAN, ASSIGNOR OF ONE-HALF TO WILLIAM H. BURTENSHAW, OF SAME PLACE.

PROCESS OF MAKING SHOES.

SPECIFICATION forming part of Letters Patent No. 299,422, dated May 27, 1884.

Application filed February 29, 1884. (No model.)

To all whom it may concern:

Be it known that I, CHARLES W. REYNOLDS, of Detroit, in the county of Wayne and State of Michigan, have invented a new and useful Improvement in the Process of Making Shoes, of which the following is a specification.

Figure 1 represents an elevation of the bottom of a shoe before the sole is put on, and Fig. 2 is a vertical longitudinal section.

My invention is an improvement upon the process of making shoes described and claimed in a former application, No. 115,951, for a patent made by me, and allowed on the 15th February, 1884; and it consists in a process which is hereinafter pointed out in the claim.

B represents the upper of a shoe, of which A is the insole, and E the outer sole.

C represents a strip of rawhide, leather, or other suitable material, and D represents ordinary tacks.

My object is to make a shoe which will be flexible, and without any tacks in the forward part of the shoe, where flexibility is required. I attain this by placing the insole A on a last, over which the upper B has been placed, drawing the edges of the upper over the insole, and tacking the edges of the upper to the insole A by tacks D, which I prefer to have so short as not to pass entirely through the insole A. The ends of the rawhide strip C are placed over the edges of the upper at a point, *a*, forward of which no tacks are to be left in the finished shoe, and the strip is carried along the two edges of the upper until the two parts of the strip come together at the toe of the shoe, *b b*, where the strip is doubled back to a point near the heel of the shoe, *c*, being lightly tacked to the insole to keep it in position. The two ends of the rawhide strip are placed over the edges of the uppers before the uppers are tacked to the insole A, and the tacks D are driven first through the rawhide strip C, then through the edges of the upper B, and then into the insole A. I now place the outer sole, E, in position and sew it to the upper and insole by a seam around and outside of the rawhide strip C, leaving the rear part or heel unsewed, as usual. I now catch the end *c* of the rawhide strip C with a hook or pair of pliers and pull the strip C out from between the outer and inner soles, bringing with it all the tacks D which pass through said strip, when the heel may be nailed on and the shoe finished in the usual manner.

What I claim as my invention, and desire to secure by Letters Patent, is—

The herein-described process in manufacturing a flexible shoe, consisting in placing upon the last an insole, drawing the upper over the last, and tacking its edge to said insole by a row of tacks, which first pass through a strip of rawhide or similar suitable material, laid along the edge of said upper to the toe of the shoe, and thence doubled back to a point near the heel, then uniting the sole, upper, and insole in any usual manner, and then pulling out said rawhide strip, substantially as shown and described.

CHARLES W. REYNOLDS.

Witnesses:

CYRUS E. LOTHROP,

R. G. ELLIOTT.