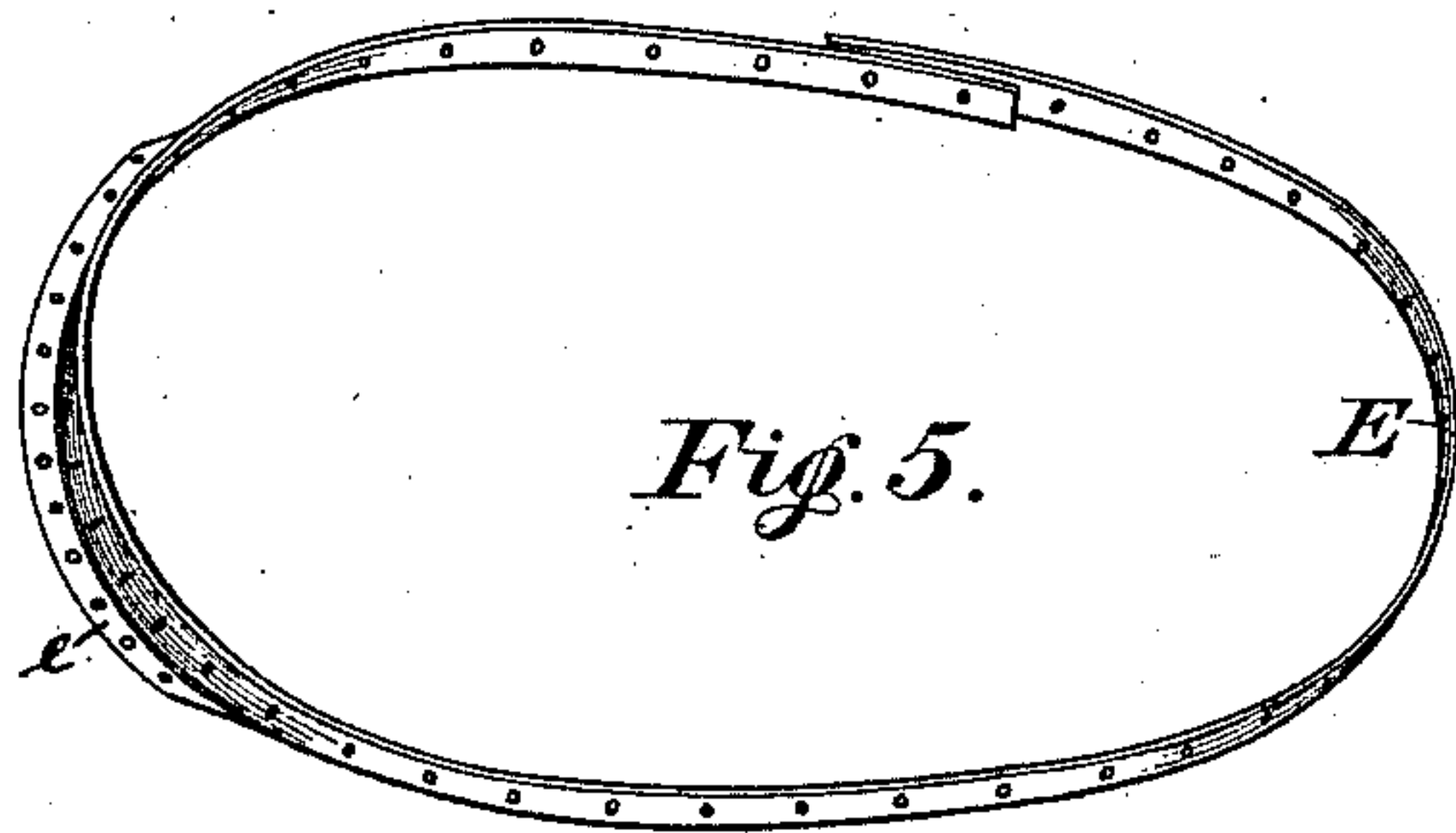
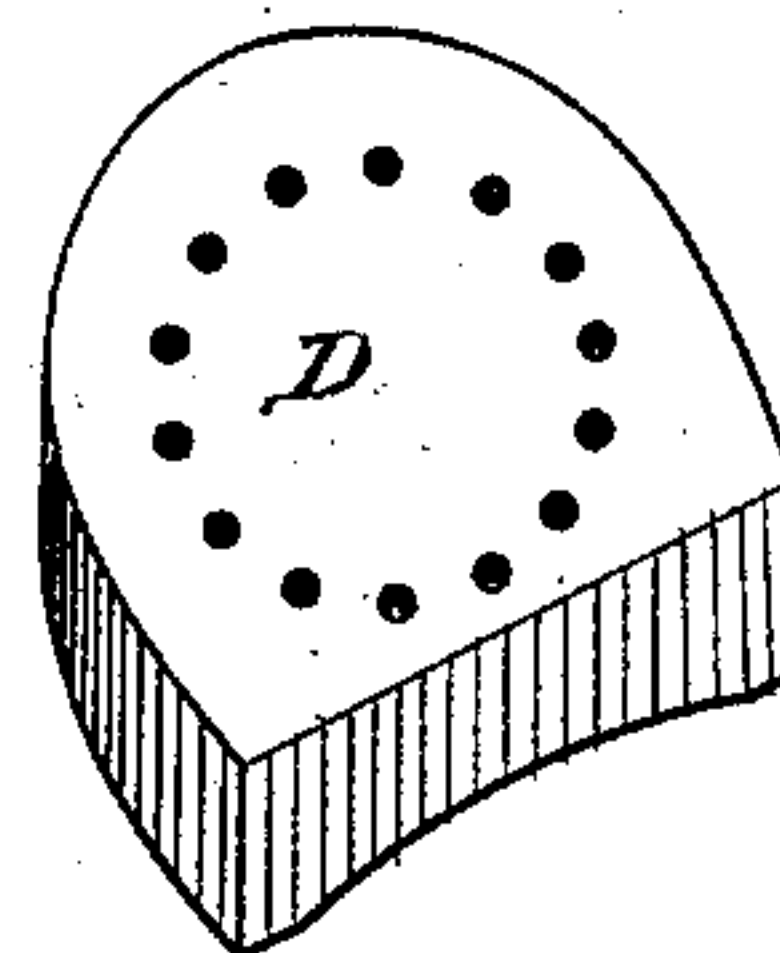
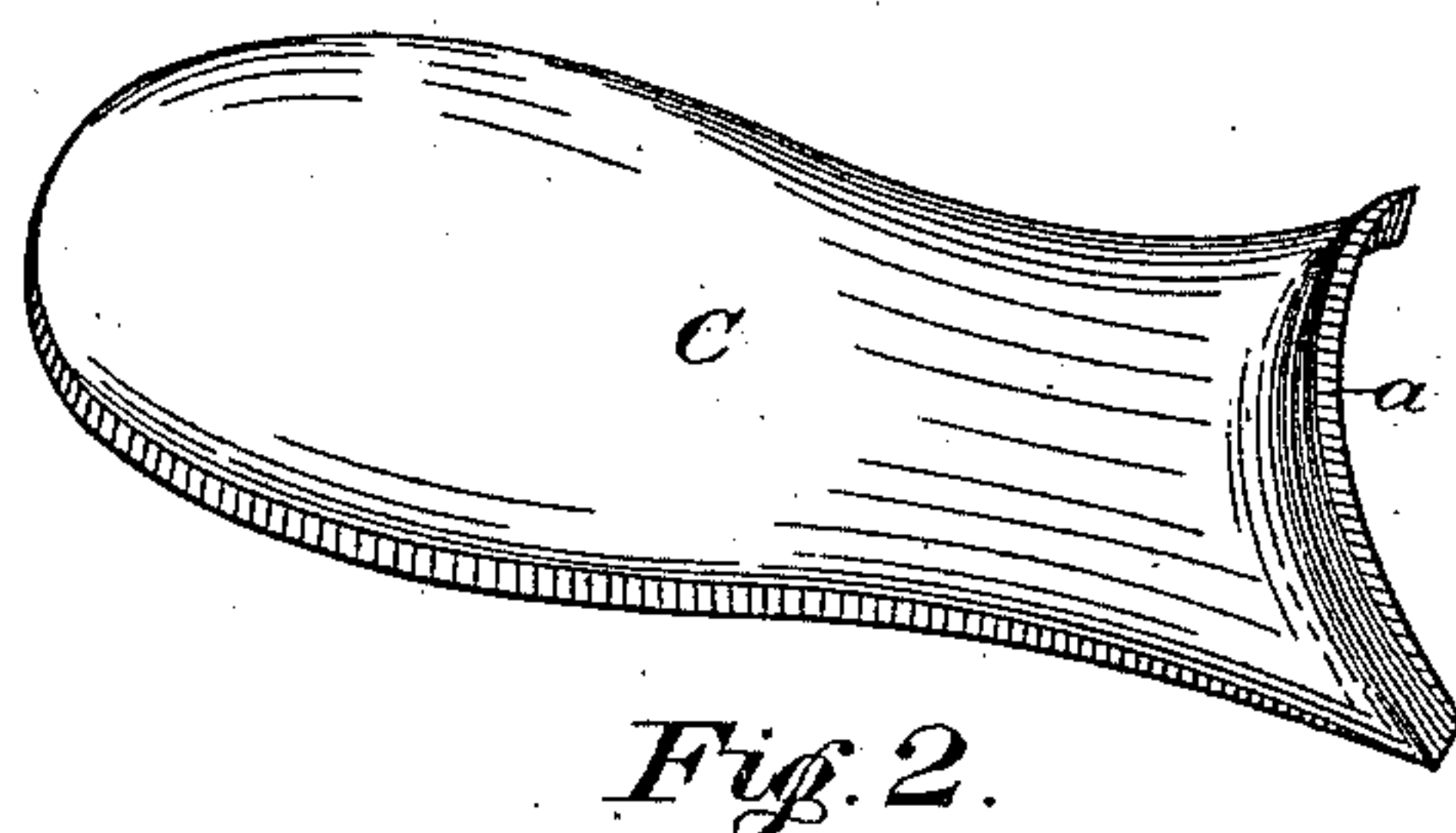
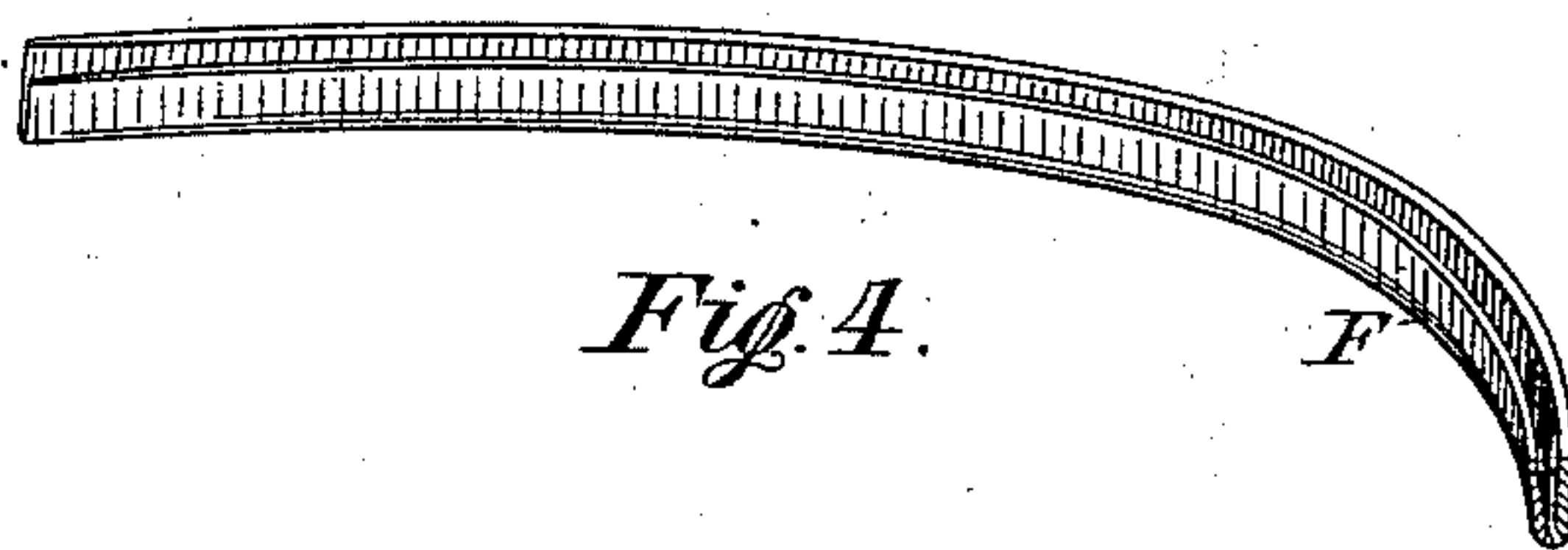
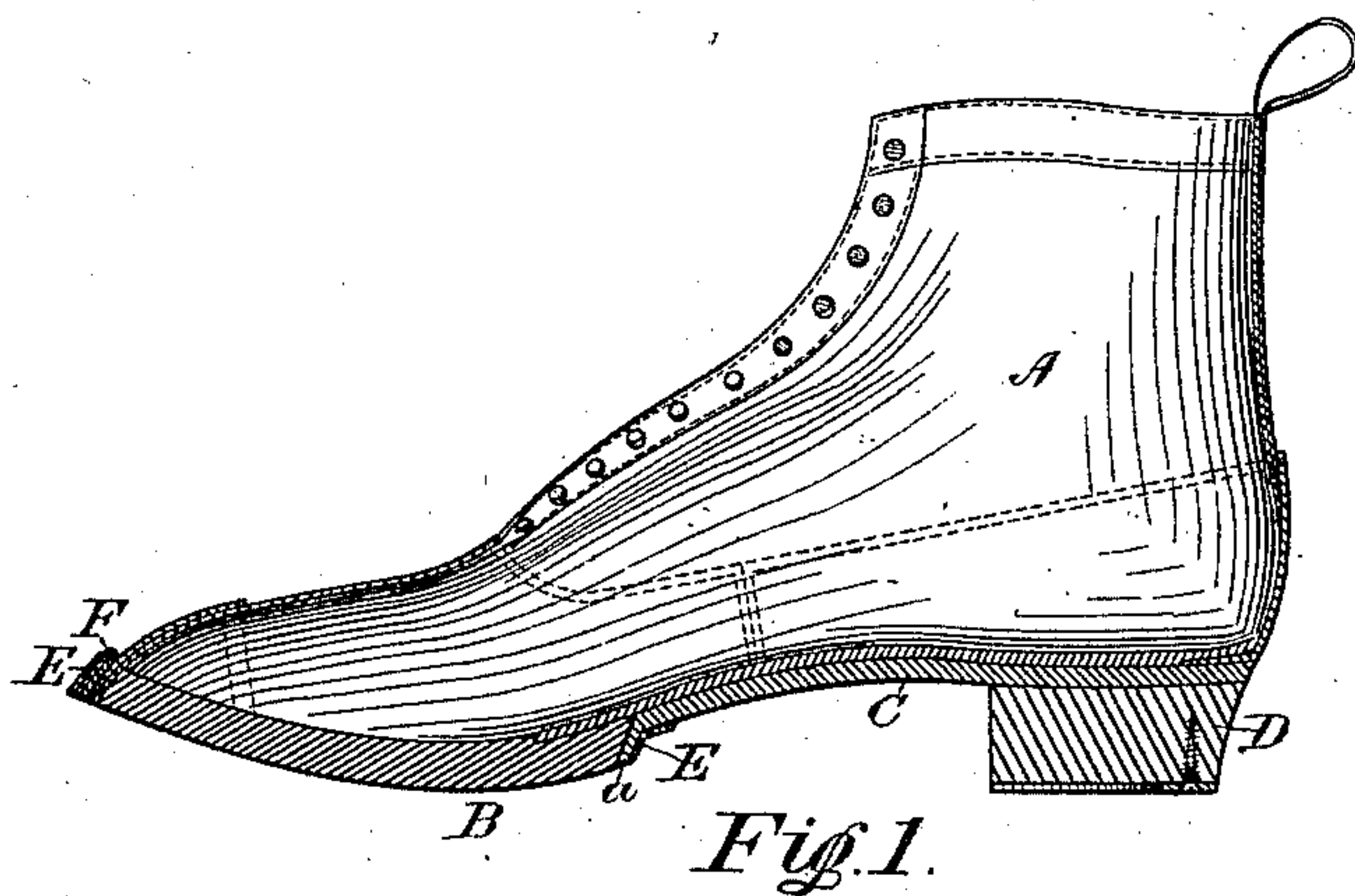


(No Model.)

S. McCULLOUGH.
WOODEN SOLED BOOT.

No. 299,994.

Patented June 10, 1884.



Witnesses.

H. D. Graham,
Charles C. Baldwin

Inventor.

Samuel McCullough,
by Donald F. Ridout & Co.
Attys.

UNITED STATES PATENT OFFICE.

SAMUEL McCULLOUGH, OF TORONTO, ONTARIO, CANADA, ASSIGNOR TO
THOMAS KENNEDY, JR., HENRY CHARLES FORTIER, AND WILLIAM
HENRY BEST, ALL OF SAME PLACE.

WOODEN-SOLED BOOT.

SPECIFICATION forming part of Letters Patent No. 299,994, dated June 10, 1884.

Application filed January 2, 1884. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL McCULLOUGH, of the city of Toronto, in the county of York, in the Province of Ontario, Canada, shoe-maker, have invented certain new and useful Improvements in Boots; and I do hereby declare that the following is a full, clear, and exact description of the same.

The object of the invention is to devise a boot having a wooden sole and possessing the elastic qualities of a leather-soled boot; and it consists in the peculiar construction and arrangement of parts, all as more fully hereinafter described and claimed.

Figure 1 is a sectional view of a boot constructed in accordance with my invention. Fig. 2 is a detail of the sole. Fig. 3 is a detail of the heel. Fig. 4 is a detail of the leather shank. Fig. 5 is a detail of the iron band employed for connecting the shank to the sole and forming a finished binding around the leather and the wood where the upper connects with the sole.

A is the ordinary upper of a boot, provided with the usual insole, and lasted to the wooden sole B in the ordinary way.

C is a leather shank, provided with a curved flange, *a*, at the end of the shank, which fits against the end of the wooden sole B. This shank C extends to the back of the boot, and has nailed or screwed to it the wooden heel D. This wooden heel is made with the grain running vertically, so that the heel will not split off like an ordinary leather heel made in layers.

E is a metal band designed to fit over the sole and extend around the edge of the leather where it connects with the sole. This metal band is also provided with a flange, *e*, which extends over and beyond the flange *a*, formed on the end of the leather shank C, and when tacked in position not only connects the leather shank C to the wooden sole B, but also forms a finished binding around that portion of the upper which is connected to the sole.

A boot constructed in this manner will not only be completely water-tight at its sole, but also, owing to the manner of connecting the upper A to the sole B, the recess usually

left between the sole and the upper, where snow and wet mud accumulate, is avoided. Consequently a boot constructed in accordance with my invention is, according to all intents and purposes, absolutely water-tight.

Another feature of importance to be considered is that while the introduction of my leather shank gives to the sole all the elasticity which is necessary for a comfortable boot, the sole B is itself inflexible; consequently the upper immediately over it will not be subjected to any cracking strain caused by the bending of the sole when walking. Therefore a boot constructed in accordance with my invention will last longer than those as now made.

I should mention that, in the event of any joint occurring in the metal band that joint must not occur at the junction between the leather shank and wooden sole, as at that point a strain is caused by the movement of the flexible shank.

I should also mention that, in order to finish the joint between the band E and the wooden sole, I insert a leather strip, F. (Shown in detail in Fig. 5.) This strip, it will be noticed, is doubled over, so that the edges come together when bound beneath the band E, the bend in the strip extending above the upper edge of the band E, forming a sort of bead extending around the edge between the sole and the upper.

It will of course be understood that while I prefer a metal band, E, a band of other material might be used, and that although the leather shank will generally be adopted, a rubber shank, or a shank of any flexible material, would in a measure, if not altogether, accomplish the object of this portion of my invention.

I am aware of Patent No. 51,195, and lay no claim to anything shown therein as forming a part of my invention.

What I claim as my invention is—

1. As an improved article of manufacture, a shoe provided with a metal binding around the sole, covered with a double strip of leather, with the rounded edge of said double strip

uppermost, to give a beaded appearance to the shoe, substantially as described.

2. In a boot having a wooden sole lasted to the upper, the shank C, made of leather or
5 other flexible material, and having a flange, *a*, formed on its front end, in combination with the band E, provided with the flange *e*, ar-

ranged to bind the shank C to the sole B, substantially as and for the purpose specified.

Toronto, December 21, 1883.

SAMUEL McCULLOUGH.

In presence of—

CHARLES C. BALDWIN,

F. BARNARD FETHERSTONHAUGH.