

A. EDWARDS.
Wooden-Shoes.

No. 154,592.

Patented Sept. 1, 1874.

Fig. 2.

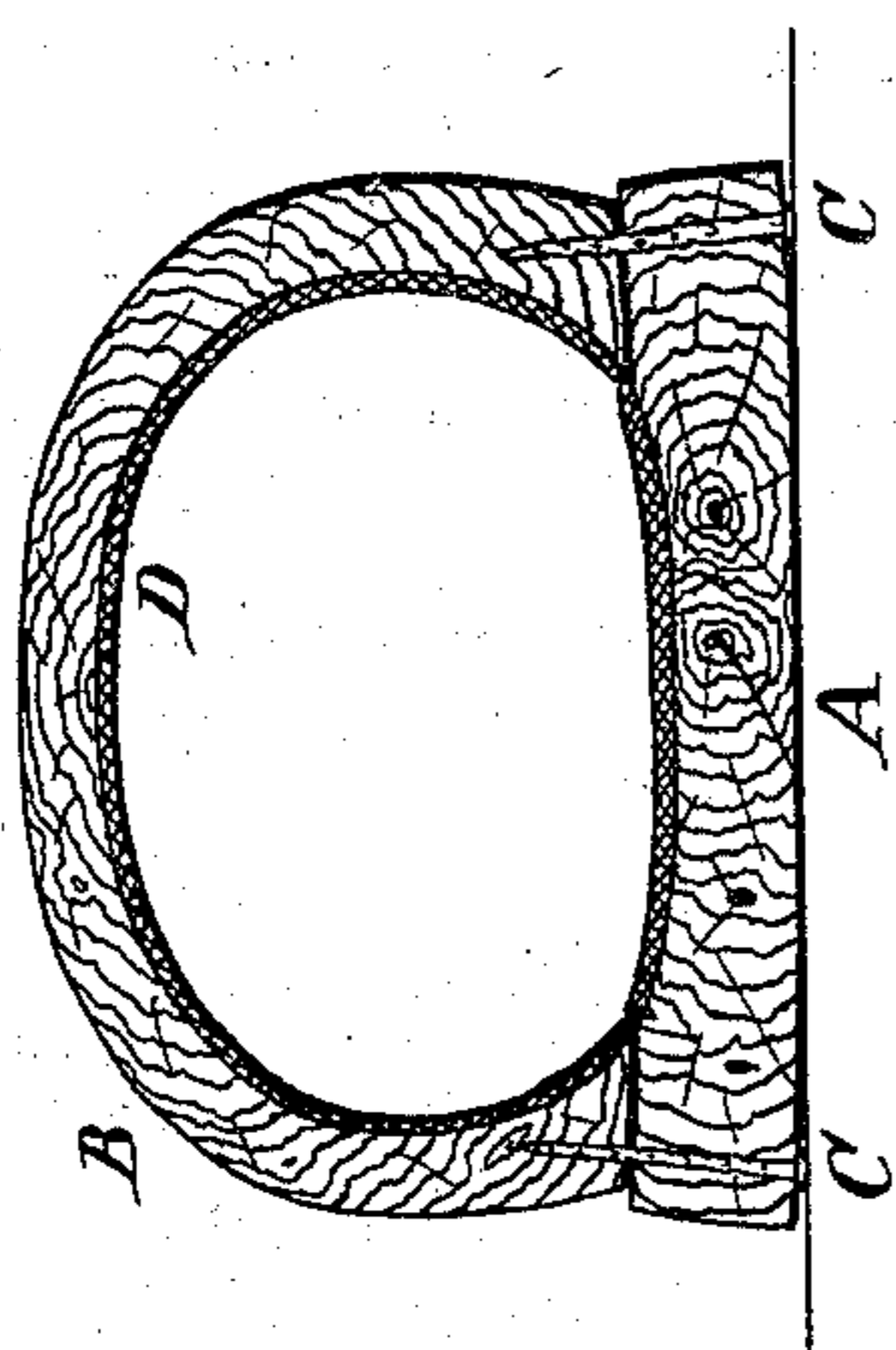
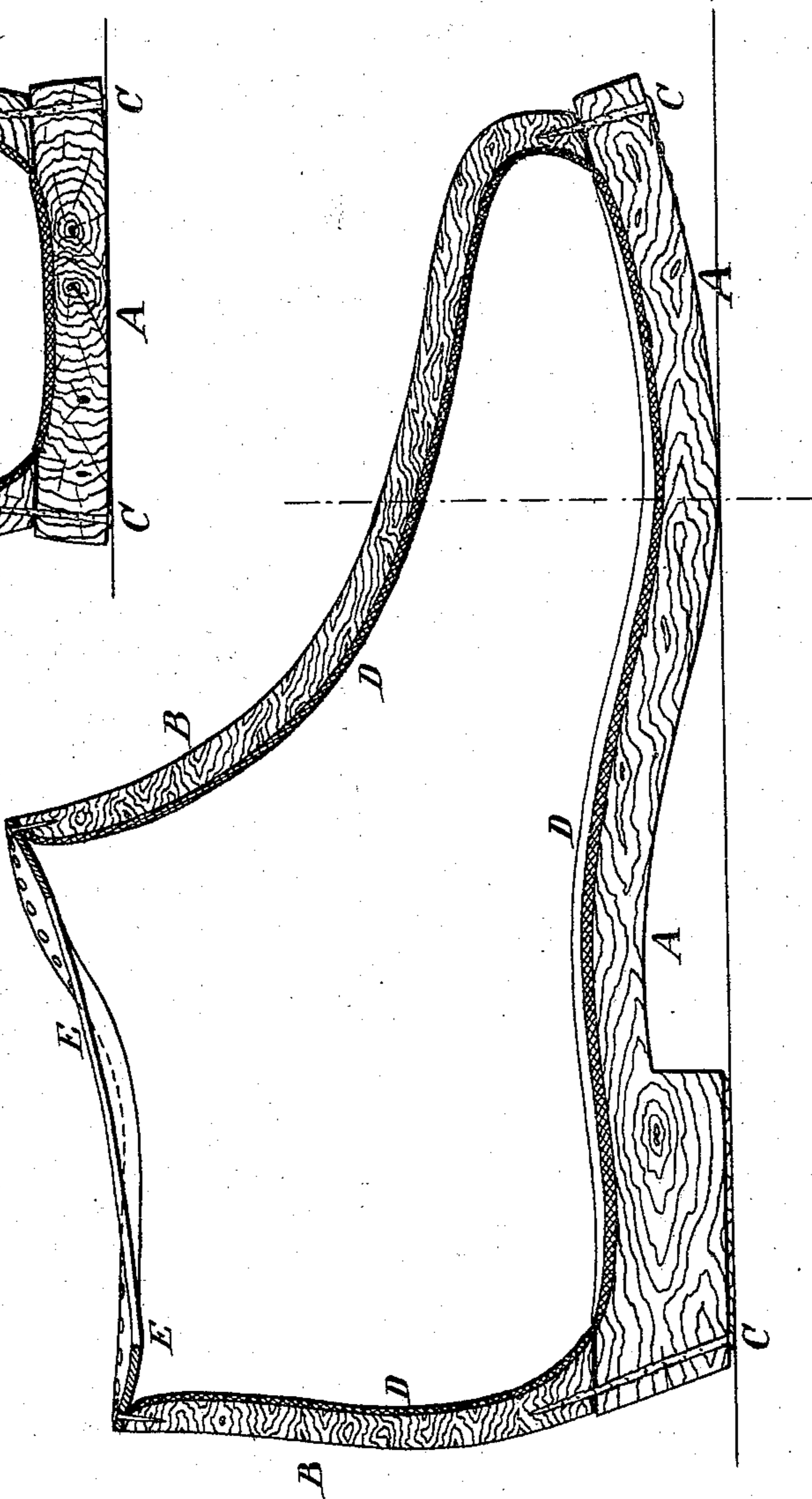


Fig. 1.



Witnesses;

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UNITED STATES PATENT OFFICE.

ALFRED EDWARDS, OF NEW HAVEN, CONNECTICUT.

IMPROVEMENT IN WOODEN SHOES.

Specification forming part of Letters Patent No. **154,592**, dated September 1, 1874; application filed February 20, 1874.

To all whom it may concern:

Be it known that I, ALFRED EDWARDS, of New Haven, in the State of Connecticut, have invented certain Improvements relating to Wooden Shoes, sometimes called clogs or pattens, of which the following is a specification:

The difficulties of smoothly finishing the interior, and the hardness of the material when finished, have done much to prevent the more general employment of this useful class of clothing for the feet.

This invention is intended to allow the working out of the material very perfectly. It provides a soft lining and an elastic fit around the ankle. Clogs, pattens, or wooden shoes may be thus produced at a very moderate cost, admirably adapted for many branches of rough labor.

The following is a description of what I consider the best means of carrying out the invention.

The accompanying drawings form a part of this specification.

Figure 1 is a longitudinal section, and Fig. 2 is a cross-section.

Similar letters of reference indicate like parts in both the figures.

I construct the sole of a separate piece from the main body, and either of the same or a different kind of wood. I believe it preferable to make the sole of a harder wood, but have not sufficient experience to say this with certainty. The material which serves well for both parts is the wood known as "gum." Any kind of wood which is light and free from cracks, and tolerably repellent of water, may be made to serve, though it is highly preferable for strength to employ some wood, whether known by the name of gum, pepperidge, or other name, which shall have its fibers interwoven, so as to be very tough and difficult to split.

A is the sole, and B the upper or main body. C are long slender nails, notched on the side or angles to afford a better hold. Both the parts may be manufactured in the large way very cheaply and perfectly by machinery. The fact that the main body B is made with the bottom open allows a much better access to the interior than when it must be all worked

out through the ankle. D is a lining of felt, which is made in the proper shape, or strained into that shape on suitable molds, and is firmly secured by rubber cement or water-proof glue. E is an elastic lip projecting inward around the ankle.

I have experimented with elastic ribbon woven with rubber as an element, but, in the large way, propose to mold these ankle-borders of vulcanized rubber. The border is cemented upon the upper edge, and also secured by nails.

In the use of the clog or patten the ankle is defended against the admission of sand or the like by the elastic ankle-border E. The same member of the construction also performs the important function of keeping the loose clog steady on the foot, and preventing the ankle from being brought too severely in contact with the upper edges of the wood. The lining D over the whole gives a surface which is agreeable to the foot and contributes to the warmth.

The nails C should be sufficiently slender to wear away nearly as fast as the wood without pushing up farther into the upper as the wear on the lower surface progresses. I can, however, employ stout nails, and cover the whole wearing portion of the bottom with thick-headed short nails in addition, to increase the durability, if preferred. Screws may be employed for the fastenings C in some cases with advantage.

I claim as my invention—

1. A clog or patten constructed of two wooden parts screwed together, one over the other, as and for the purposes herein specified.

2. The elastic ankle-guard E, in combination with a wooden shoe or patten, as herein specified.

3. The clog or patten described, having the two wooden parts A B, secured one above the other by the fastenings C, and having the lining D and ankle-guard E combined therewith, as and for the purposes herein set forth.

ALFRED EDWARDS.

Witnesses:

JNO. C. NORTH,
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