

(No Model.)

J. J. FEENEY.
BOOT OR SHOE.

No. 334,364.

Patented Jan. 12, 1886.

Fig. 1.

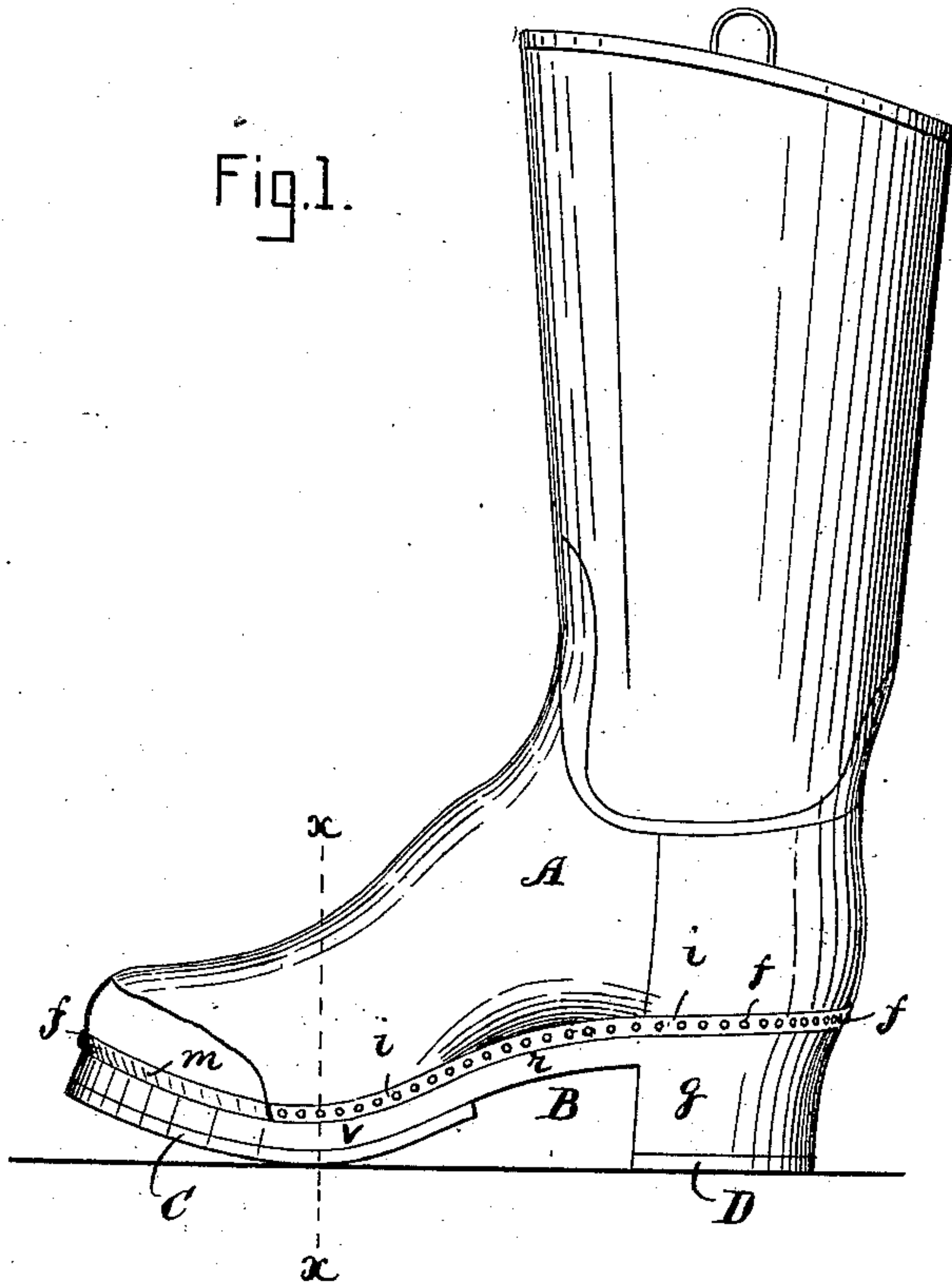
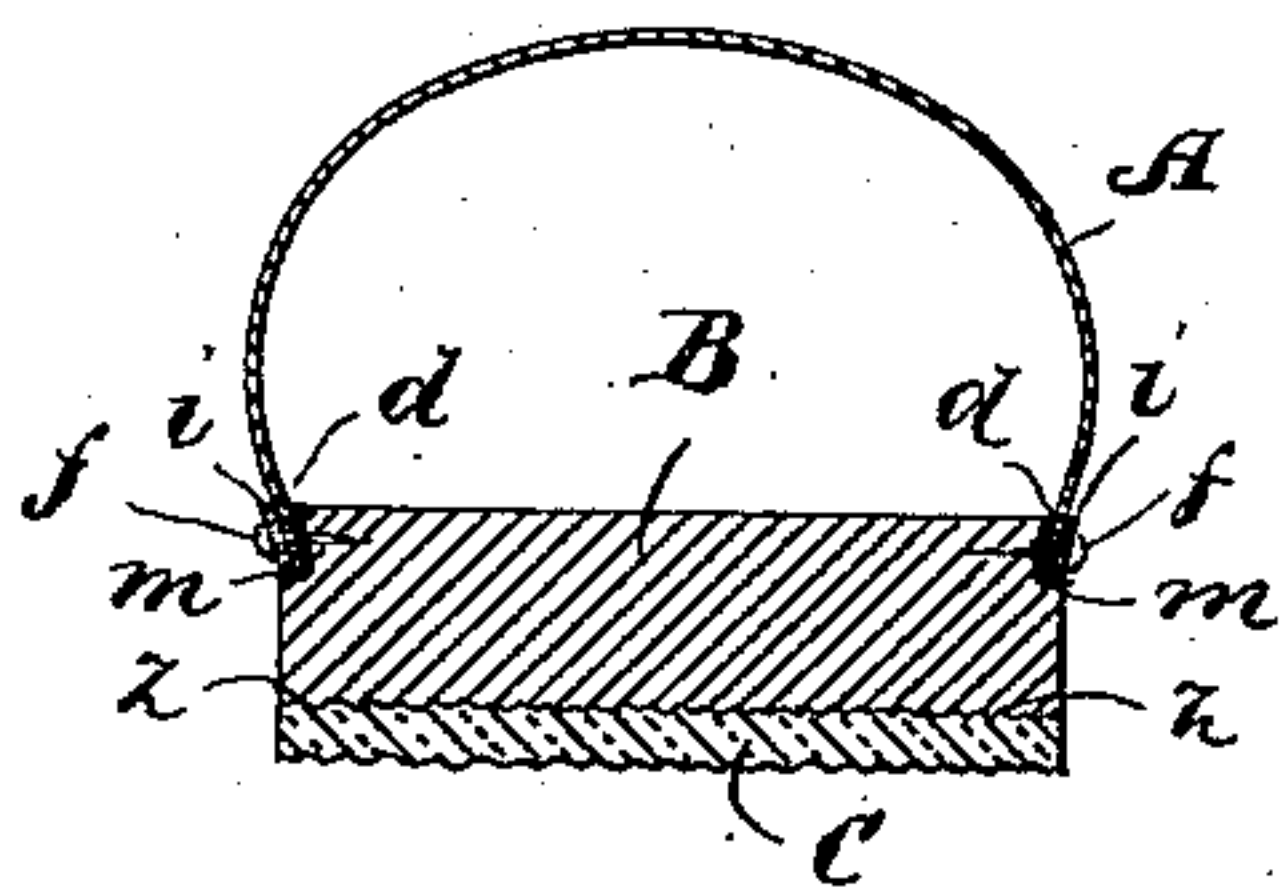


Fig. 2.



Witnesses...

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UNITED STATES PATENT OFFICE.

JOHN J. FEENEY, OF AMESBURY, MASSACHUSETTS.

BOOT OR SHOE.

SPECIFICATION forming part of Letters Patent No. 334,364, dated January 12, 1886.

Application filed October 29, 1885. Serial No. 181,229. (No model.)

To all whom it may concern:

Be it known that I, JOHN J. FEENEY, of Amesbury, in the county of Essex, State of Massachusetts, have invented a certain new and useful Improvement in Boot and Shoe Soles, of which the following is a description sufficiently full, clear, and exact to enable any person skilled in the art or science to which said invention appertains to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a side elevation of a boot embodying my improvement, a portion of the upper being represented as broken away to show the sole, and Fig. 2 a vertical transverse section taken on line *x x* in Fig. 1.

Like letters of reference indicate corresponding parts in the different figures of the drawings.

My invention relates to that class of boot and shoe soles which are composed in part of wood; and it consists in a novel construction and arrangement of the parts, as hereinafter more fully set forth and claimed, by which a more desirable article of this character is produced than is now in ordinary use.

The nature of the improvement will be readily understood by all conversant with such matters from the following explanation.

In the drawings, A represents the upper, and B the sole.

The body *v*, shank *r*, and heel *g* of the sole are composed of wood, the heel, shank, and body being integral or formed of one piece, which is of course properly curved and concaved on its upper surface to fit it to the foot of the wearer. A shoulder or rabbet, *m*, is formed around the upper edge of the sole to receive the lower edge of the upper A, which is shaped to properly fit the sole, and attached thereto by the nails *f*. A narrow strip of leather, *i*, is placed outside the upper at its lower edge, said strip resting on the shoulder *m*, and serving as a stay to prevent the nails from injuring the upper, the nails being driv-

en through the stay and upper in securing the upper to the sole. A rubber tap or auxiliary sole, C, may be secured by suitable cement to the fore part or body of the sole B, and there may also be a rubber lift or tap, D, cemented to the heel *g*, as shown in Fig. 1, thereby rendering said sole substantially waterproof.

To enable the rubber taps to be secured to the wood of the sole with greater firmness, the bottom of the sole beneath the taps is preferably scarified or corrugated, as shown at *z*, Fig. 2, before the cement is applied.

To render the joint between the upper and sole tight or waterproof, a coat of rubber or other suitable waterproof cement, *d*, is applied beneath the upper in the rabbet *m*.

It will be understood that the soles may be made of any desired size and thickness or to correspond with the nature of the work; also that the edges and exposed bottom portions of the wood may be ebonized, painted, or colored to imitate leather, as desired.

I am aware that it is not new to secure uppers to wooden soles by nailing them and afterward coating such joint with waterproof cement; but in the present case the upper is first cemented to the sole and afterward nailed, whereby the waterproofing cement will not be disturbed and rendered leaky by the accidental loss of any of the nails.

Having thus explained my invention, what I claim is—

As an improved article of manufacture, a boot or shoe comprising the sole, the body, shank, and heel of which are integral and composed of wood, and have a rabbet around their upper edge, a layer of cement therein, an upper having its lower edge cemented thereby within said rabbet, a stay applied to the outer face of said upper near its lower edge, and nails passing through said stay and upper into the sole, substantially as described.

JOHN J. FEENEY.

Witnesses:

J. H. WALKER,
JAMES CONDON.