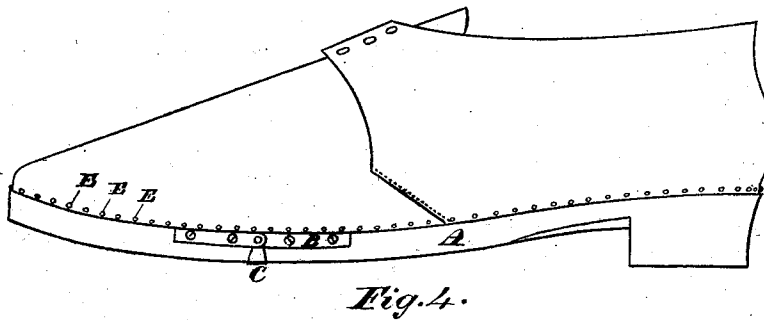
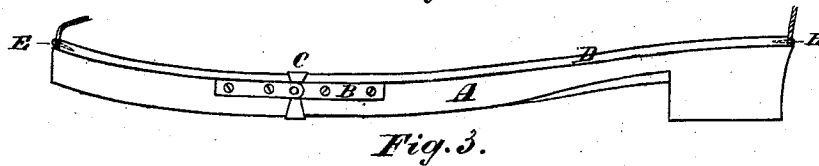
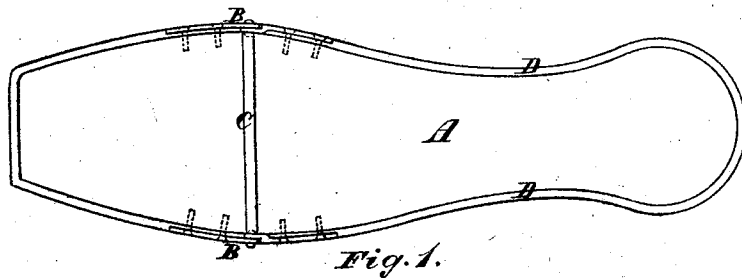


W. S. HUNTER.

Wooden Soles for Boots and Shoes.

No. 152,114.

Patented June 16, 1874.



John Grist, Junr.
Mo. J. Whitty.

Witnesses.

W. S. Hunter,
Inventor
by his Attorney
Henry Grist.

UNITED STATES PATENT OFFICE.

WILLIAM S. HUNTER, OF STANSTEAD, CANADA.

IMPROVEMENT IN WOODEN SOLES FOR BOOTS AND SHOES.

Specification forming part of Letters Patent No. **152,114**, dated June 16, 1874; application filed April 30, 1874.

To all whom it may concern:

Be it known that I, WILLIAM STUART HUNTER, of Stanstead, in the county of Stanstead and Province of Quebec, in the Dominion of Canada, have invented a new and useful Improvement in Wooden Soles for Boots and Shoes, of which the following is a specification:

My invention consists of a hinged joint across the sole having an interposed strip of rubber or other elastic material in the joint, the object being to afford a spring necessary for natural and easy walking, and to render the joint water-tight.

Figure 1 is a top view of my improved sole detached from the upper. Fig. 2 is a side view of the same. Fig. 3 is a side view of a shoe, showing the upper nailed to the sole.

A is a wooden sole divided transversely across the tread of the sole, the two parts united by a hinge, B, at each side. The edges of the jointed portions of the sole are slightly beveled to give a greater degree of elasticity to the joint. C is a strip of rubber or other suitable material interposed between the jointed portions of the sole to render the joint water-tight. D is a rabbet around the upper edge of the sole to receive the edge of the welt or upper, which is secured thereto by nails E. The rabbet is intended to be sufficiently deep, so that the outer edge of the sole and upper shall be flush when nailed together. The rubber or flexible material is pressed by the two adjoining por-

tions of the sole. The projection formed by the bevels of the edges form a central ridge and presses the rubber, &c., more compactly than at the outer edges, and fills out the joint in the outer and upper edges, thus keeping the rubber in its place, and, as the front part of the sole works up and down, it presses upon the lower and upper portions of the rubber, and excludes water from entering at the joint.

When the rubber, &c., is pressed into its place it is held there until the metallic hinges B are secured into the wooden sole, which, when secured to both sides of the sole, hold the two portions of the wooden sole and the rubber forming the flexible water-tight joint securely in its position, and allows either portions to have an independent movement corresponding to the motion of the foot in walking.

I claim as my invention—

The rubber strip C, interposed vertically in the transverse joint of a wooden sole, and extending from the outer to the inner surface, in combination with metallic hinges B at the edges of the sole, substantially as and for the purpose set forth.

WILLIAM S. HUNTER.

Witnesses:

CHAS. M. THOMAS,
of Stanstead, Notary Public.

F. S. A. PELLETIER,
of Stanstead, Provincial Land Surveyor.