

T. POORE.
Boots & Shoes.

No. 202,865.

Patented April 23, 1878.

Fig 1.

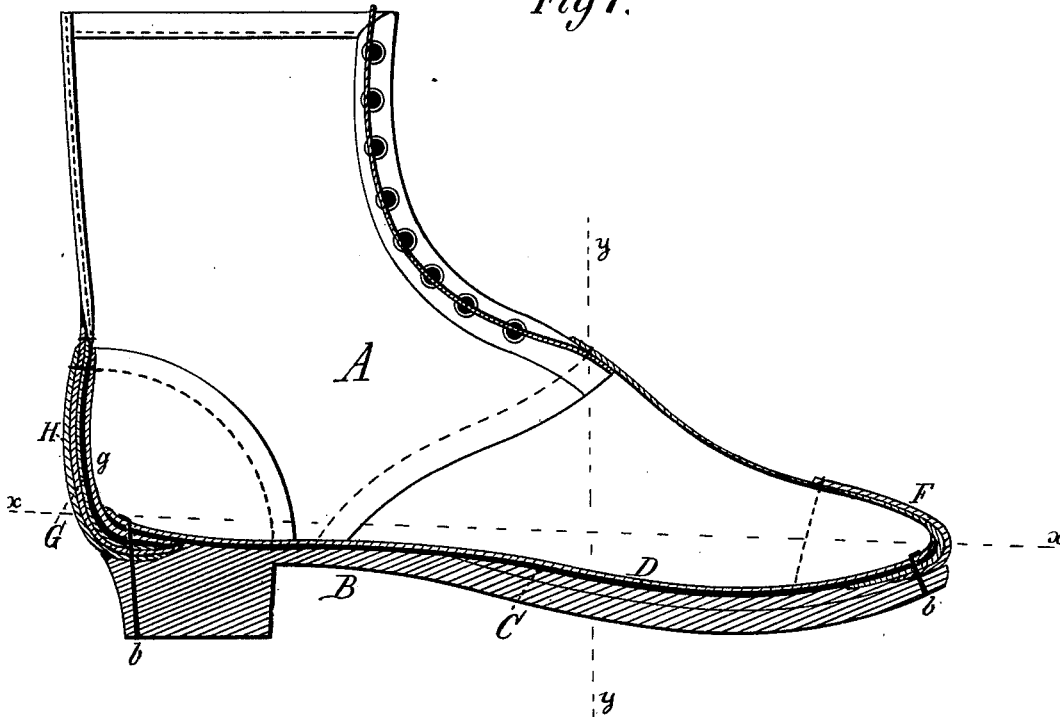


Fig 2.

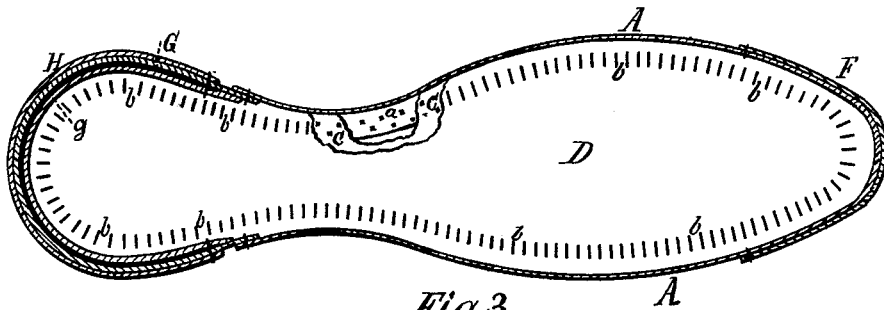
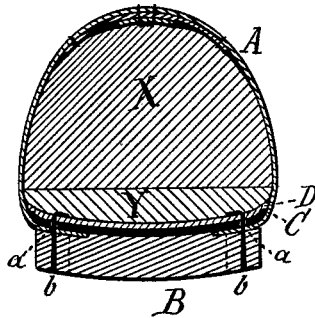


Fig 3.



Witnesses:
James Martin Jr
J.P. Theodore Lang.

Inventor:
Townsend Poore
by
Mason, Shwartz & Lawrence

UNITED STATES PATENT OFFICE.

TOWNSEND POORE, OF SCRANTON, PENNSYLVANIA.

IMPROVEMENT IN BOOTS AND SHOES.

Specification forming part of Letters Patent No. **202,865**, dated April 23, 1878; application filed March 19, 1878.

To all whom it may concern:

Be it known that I, TOWNSEND POORE, of Scranton, in the county of Luzerne and State of Pennsylvania, have invented a new and useful Improvement in the Manufacture of Boots and Shoes, which improvement is fully set forth in the following specification and accompanying drawings, in which latter—

Figure 1 is a vertical longitudinal central section of one of my improved shoes. Fig. 2 is a horizontal section of the same in the line *x x* of Fig. 1, wherein certain portions are broken away to show the parts below; and Fig. 3 is a vertical transverse section in the line *y y* of Fig. 1, in which also a last with an iron bottom is shown as inserted.

The nature of my invention consists in certain constructions, combinations, and arrangements of parts, hereinafter fully described and specifically claimed, whereby a boot or shoe with uppers of asphaltum-coated canvas and a sole of leather or vulcanized fiber, united by clinched nails, is produced, the so-constructed boot or shoe being a new article of manufacture.

In the drawings, A represents the vamp and quarter or the upper part of a shoe; and it consists of canvas made water-proof by an asphaltum coating, which I put on in the following manner: The canvas is spread upon a smooth iron table, which is heated as highly as the canvas can bear it without being scorched. Black asphaltum varnish, or a mixture of coal-tar and spirits of turpentine or other drier, is now applied to the canvas by means of a soft brush, and a warm iron roller is passed with sufficient pressure over it to facilitate a speedy and perfect penetration of the heated canvas by the melted coating. This process may be repeated at option until the canvas is considered fit for use.

For the sole, represented by letter B in the drawings, I use a substance known as "vulcanized fiber." For the purpose of uniting the uppers and sole I use a last, X, with an iron bottom, Y. Upon the iron bottom a canvas lining, D, is placed, and upon this a metal insole, C. The canvas, vamp, and quarter,

properly sewed together, are now drawn over the last, and their bases *a* are turned over and upon the metal insole C.

In case the shoe or boot is to be provided with a counter, G, front tip F, heel-tip H, and heel-lining *g*, the bases of all the said parts are turned in, in the same manner as the canvas A.

Now the sole B is put on, and the parts above described and the canvas A are fastened to the sole by means of nails *b*, which are driven into them and clinched on the canvas lining D. The yielding property of the canvas lining D enables the nails *b* to force a passage through the thin metal insole C, and to turn over on the surface of the metal bottom Y and clinch upon the canvas lining and the metal insole C with great force. The canvas A is now held between the sole B and the insole C, the same as in a clamp, and is therefore not liable to tear around the nails *b*, as it would be without the upper pressure of the insole C. Without this construction canvas cannot be as durably fastened by means of nails, and hence the more costly process of sewing has been resorted to.

The material for the tips and counter may be anything suitable for the purpose, and the material for the sole may be leather instead of the above-mentioned vulcanized fiber.

The boot or shoe thus constructed is as light, durable, and water-proof as a leather boot or shoe, and can be made and sold considerably cheaper than such articles as heretofore constructed.

Having described my invention, what I claim, and desire to secure by Letters Patent, is—

1. A boot or shoe composed of a canvas upper, A, outer sole or soles B, and metal insole C, the different parts united by nails, headed over or clinched on the metallic insole, whereby the canvas upper is clamped and rigidly held in place, all substantially as set forth.

2. The yielding lining D, in combination with the soles B and C, whereby the nails *b* are enabled to penetrate the metal insole and

clinch above or upon the metallic insole C, substantially as described.

3. The new article of manufacture herein described, consisting of a boot or shoe with uppers made of canvas saturated with asphaltum, as described.

Witness my hand in the matter of my ap-

plication for a patent for improvement in boots and shoes this 16th day of March, A. D. 1878.

TOWNSEND POORE.

Witnesses:

R. E. WHITE,

JAS. H. TORREY.