

S. Perry, Shoe Sole,

N^o 57,371.

Patented Aug. 21, 1866.

Fig. 1.

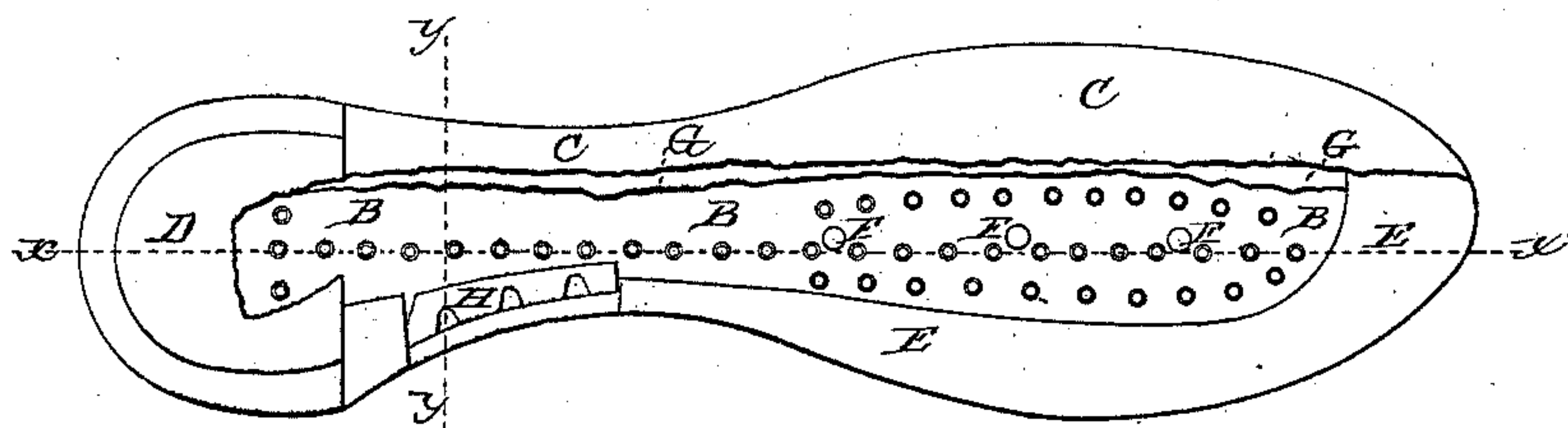


Fig. 2.

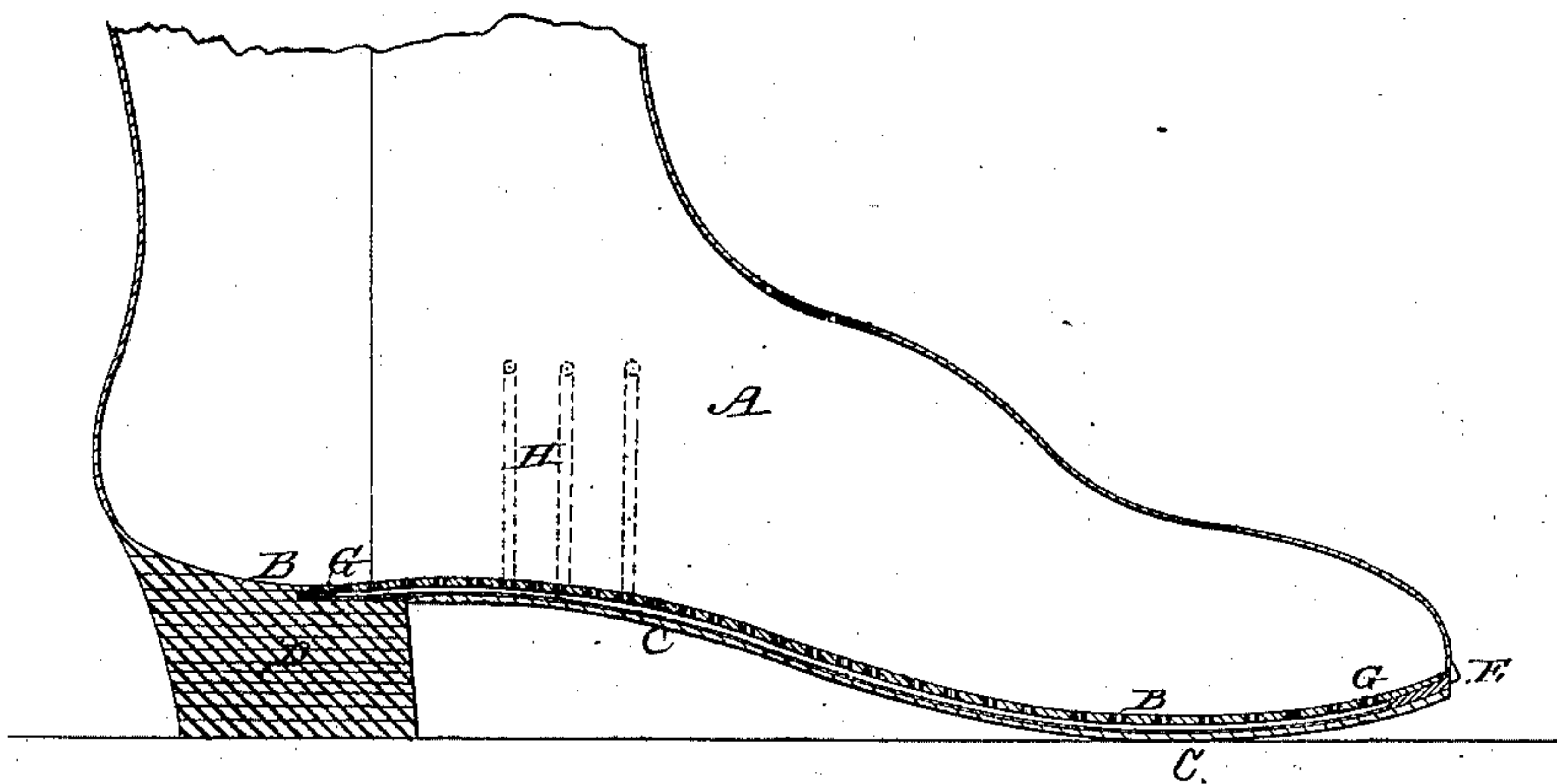
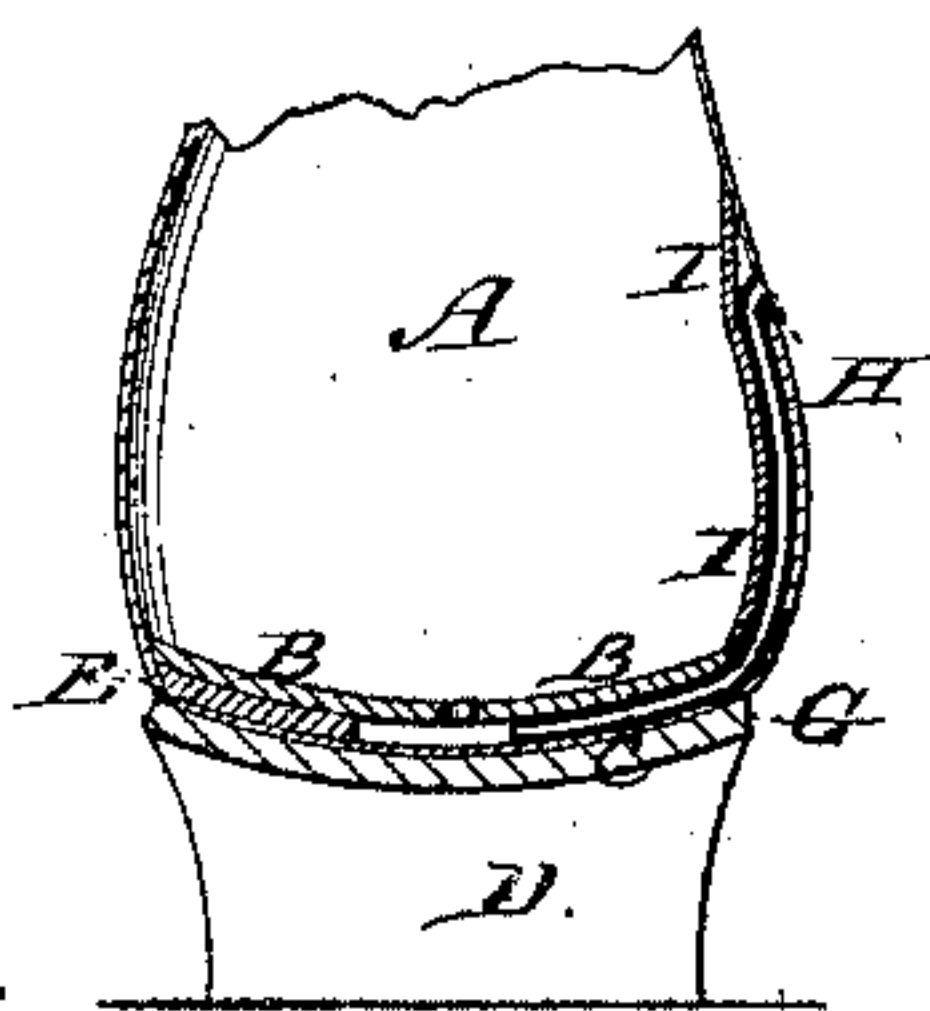


Fig. 3.



Witnesses
J. W. Blount
Wm. Hewitt

Inventor
S. Perry
Per M. M. C.
Attorney.

UNITED STATES PATENT OFFICE.

SAMUEL PERRY, OF NEW YORK, N. Y.

IMPROVED VENTILATING-BOOT.

Specification forming part of Letters Patent No. 57,371, dated August 21, 1866.

To all whom it may concern:

Be it known that I, SAMUEL PERRY, of the city, county, and State of New York, have invented a new and useful Improvement in Ventilating Boots, Shoes, &c.; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a bottom view of my improved boot, a part of the outer sole being broken away to show the construction. Fig. 2 is a longitudinal section of the same, taken through the line *x x*, Fig. 1. Fig. 3 is a cross-section of the same, taken through the line *y y*, Fig. 1.

Similar letters of reference indicate like parts.

My invention has for its object to furnish a means for ventilating boots, shoes, &c., by means of which the air may have a free circulation through the interior of said boots and shoes, the exterior orifices being so located as to be free from any liability to become clogged; and it consists in forming a canal or channel between the inner and outer soles of the boots, said canal communicating with the interior of the boot through numerous holes formed through the inner sole, and with the air through tubular canals having orifices through the upper of the boot or shoe.

A represents the upper, B the inner sole, C the outer sole, and D the heel, of a boot.

The middle part of the filling-in or middle sole E is cut away, as shown in the drawings. Through the inner sole, B, are formed numerous holes, extending from the toe to the heel, as shown. In each of these holes may be placed

a metallic eyelet, to prevent them from becoming closed when the leather may become damp from any cause. On the ball of the foot, where the canal requires to be wider, the outer sole, C, may be supported by short pillars F, as shown in Fig. 1. This canal or channel is covered on the lower side by a metallic plate, G, extending its whole length, as shown in Figs. 1 and 2. Over this plate the outer sole, C, is attached to the boot in the ordinary manner.

H is a thin metallic plate attached to the inner side of the upper A at the hollow of the foot, having grooves or tubular canals formed in it, as shown, the lower ends of which communicate with the canal formed in the sole of the boot, and their upper ends with the air through holes made through the upper A, as shown in Figs. 2 and 3. This plate may be covered on the inside by a leather cap, I, as shown in Fig. 3.

From the position of the plate H it is impossible that it should hurt the foot, and the openings leading into the canals are thus so elevated as not to be liable to become choked up with dirt or to admit water to the foot.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The arrangement of the perforated inner sole, B, and outer sole, C, forming the canal E, in combination with the grooved plate H, communicating with the said canal and the outer air, all constructed and operating in the manner and for the purpose herein specified.

SAMUEL PERRY.

Witnesses:

M. M. LIVINGSTON,
JAMES T. GRAHAM.