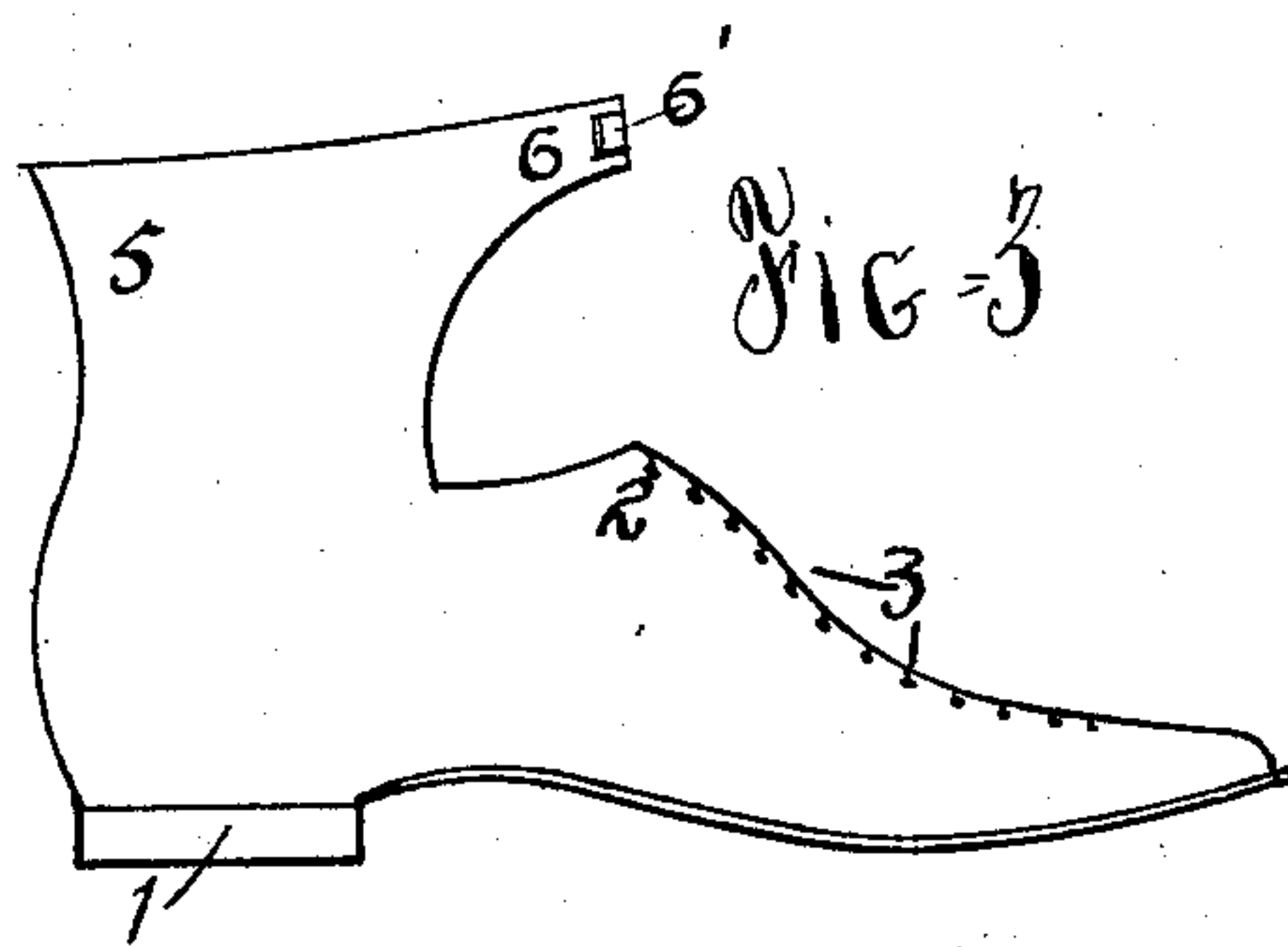
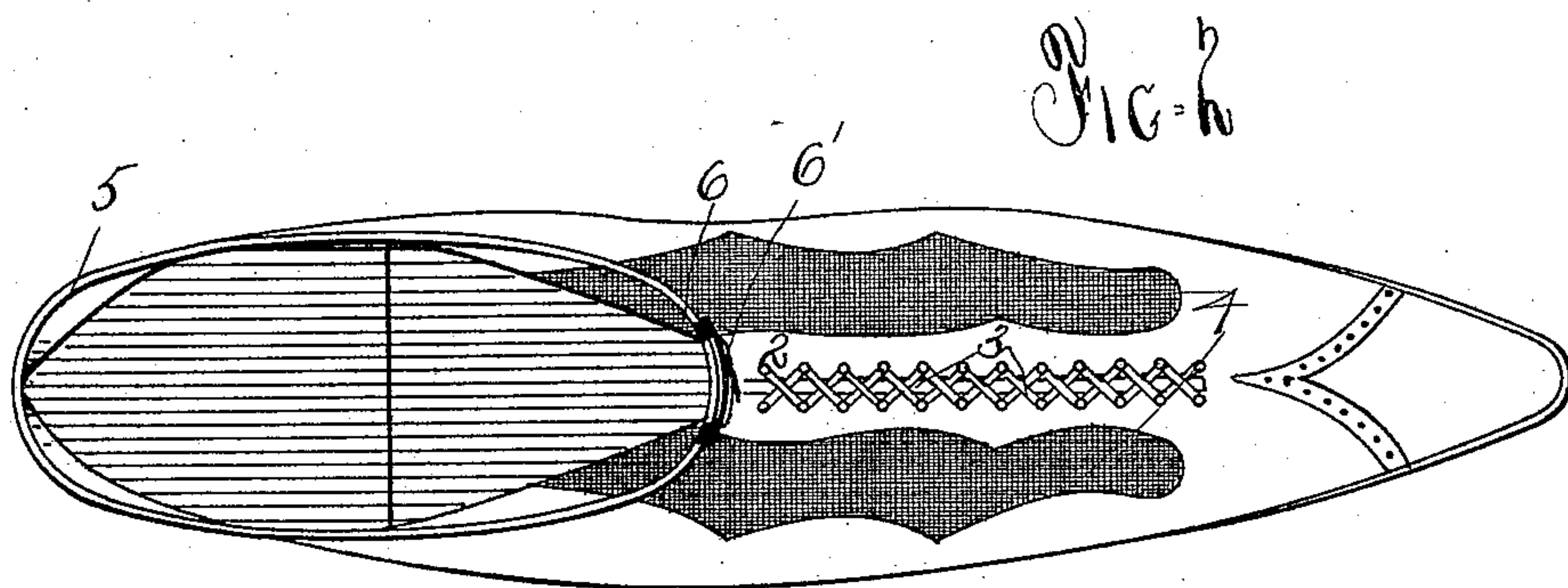
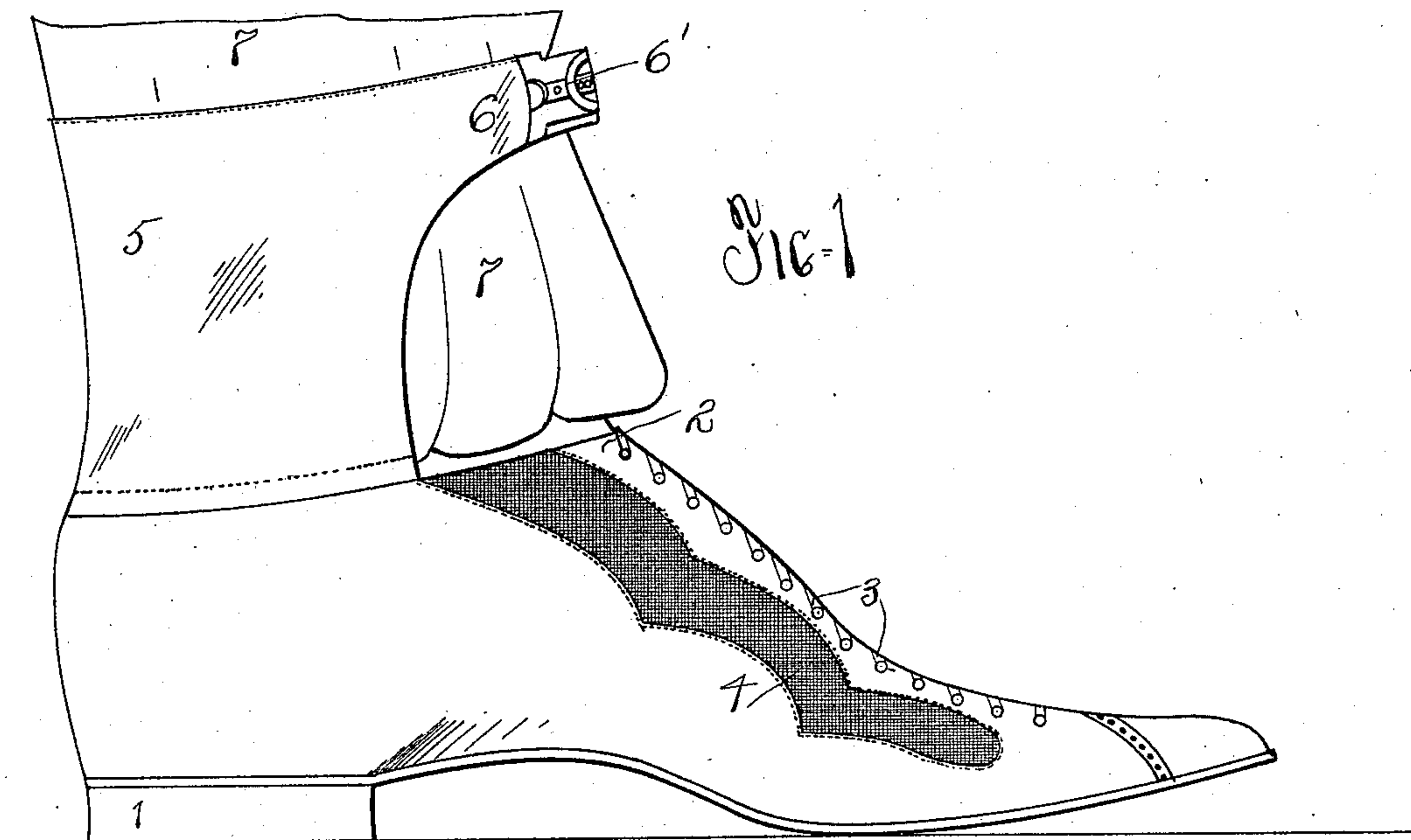


(No Model.)

J. S. WALLNER.
SHOE.

No. 575,559.

Patented Jan. 19, 1897.



WITNESSES:

W. M. Budd
L. B. Cadwallader

INVENTOR

J. S. Wallner
by Lloyd M. Meigs
att'y

UNITED STATES PATENT OFFICE.

JOSEPH S. WALLNER, OF BROCKPORT, NEW YORK.

SHOE.

SPECIFICATION forming part of Letters Patent No. 575,559, dated January 19, 1897.

Application filed April 18, 1896. Serial No. 588,101. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH S. WALLNER, a citizen of the United States, residing at Brockport, in the county of Monroe and State of New York, have invented certain new and useful Improvements in Shoes; and I do hereby declare the following to be a sufficiently full, clear, and exact description thereof as to enable others skilled in the art to make and use the said invention.

This invention relates to shoes, and is specially applicable to the requirements of bicycle-riders, and has for its objects a convenient means of holding the lower parts of pantaloons around the ankle out of reach of contact with the cranks and contiguous parts of the vehicle, an easy and automatic adaptation of the front part of the shoe to the spreading and contracting of the foot as pressure is exerted by and relieved from the ball in riding, the prevention of rising and falling of the shoe at the heel, and a protection of the rear of the ankle from cold and wind.

To attain these several desiderata, this invention consists in a shoe having on each side, in the quarter or front part of the upper, insertions of elastic webbing, and at the rear part, above the heel and ankle, an upward extension, having at the front upper corners a strap and means of fastening the same around the ankle, which strap and extension can be placed outside of the pantaloons, so as to hold them closely to the ankle, or may be fastened within the clothing around the ankle, and the device is then a presentable walking-shoe.

The construction and operation of this invention is shown in the accompanying drawings, in which—

Figure 1 shows a side elevation of a shoe embodying this invention. Fig. 2 shows a top or plan view thereof, and Fig. 3 shows in side view a modification of the rear extension.

Referring to the drawings, 1 represents the heel of a shoe, 2 the quarter or front portion, and 3 the lace uniting the sides of the front.

4 4 are elastic webs inserted in the front upon each side of the laced portion, extending from above the ball of the foot to the upper edge of the quarter.

5 is an upward extension of the rear of the shoe, inclosing the rear of the ankle, and 6 and 6' are a strap and buckle reaching across

and engaging with each other in front above the ankle. From its top front the extension 5 is cut away upon a curve extending rearwardly and downwardly to each side edge of the quarter 2 and is there joined to said edge contiguous with the elastic webbing, so that the latter and the extension coöperate by the action of the foot and ankle, thus making an elastic connection between the instep portion of the quarter and the said extension. This construction also permits free and unconstrained action of the ankle-joint and allows the clothes to hang loosely through the cut-out with but few wrinkles and without interfering in the least with the shoe.

The elastic-web insertions permit the free expansion or spreading of the foot when the ball of the foot is pressed downwardly and immediately contract the shoe again as soon as the pressure is relieved, and thus prevent the shoe from loosening and working up and down at the rear portion on the heel of the wearer. The strap and buckle 6 and 6' and the upward extension 5 serve to confine the clothing 7 to the ankle of the wearer when fastened around them and are easily and neatly secured inside of the clothing when it is desired to use the shoes for walking purposes.

The extension 5 serves as a protection from wind upon the rear of the ankles in riding.

Having described my invention and the operation thereof, what I claim is—

1. A bicycle-shoe having a rear upward extension, the front of which is cut out from its top to the side edges of the shoe-quarter, combined with suitable means connecting only the top of the extension around the ankle, and the elastic webbing in the shoe-quarter having one end secured contiguous with the front edge of the said extension, whereby the latter and the webbing may coöperate by the action of the ankle and foot, as set forth.

2. In a shoe for bicycle-riders, a shoe having an upward extension in the rear, adapted to cover the rear of the ankle, and open at the front, in combination with a strap attached to the upper edge of said extension, and means of fastening the same around the ankle of the wearer alternately, either around the clothing, or within the clothing, substantially as and for the purpose set forth.