

G. E. SMITH.
RUBBER FOOTWEAR.
APPLICATION FILED NOV. 25, 1908.

920,676.

Patented May 4, 1909.

FIG. 1.

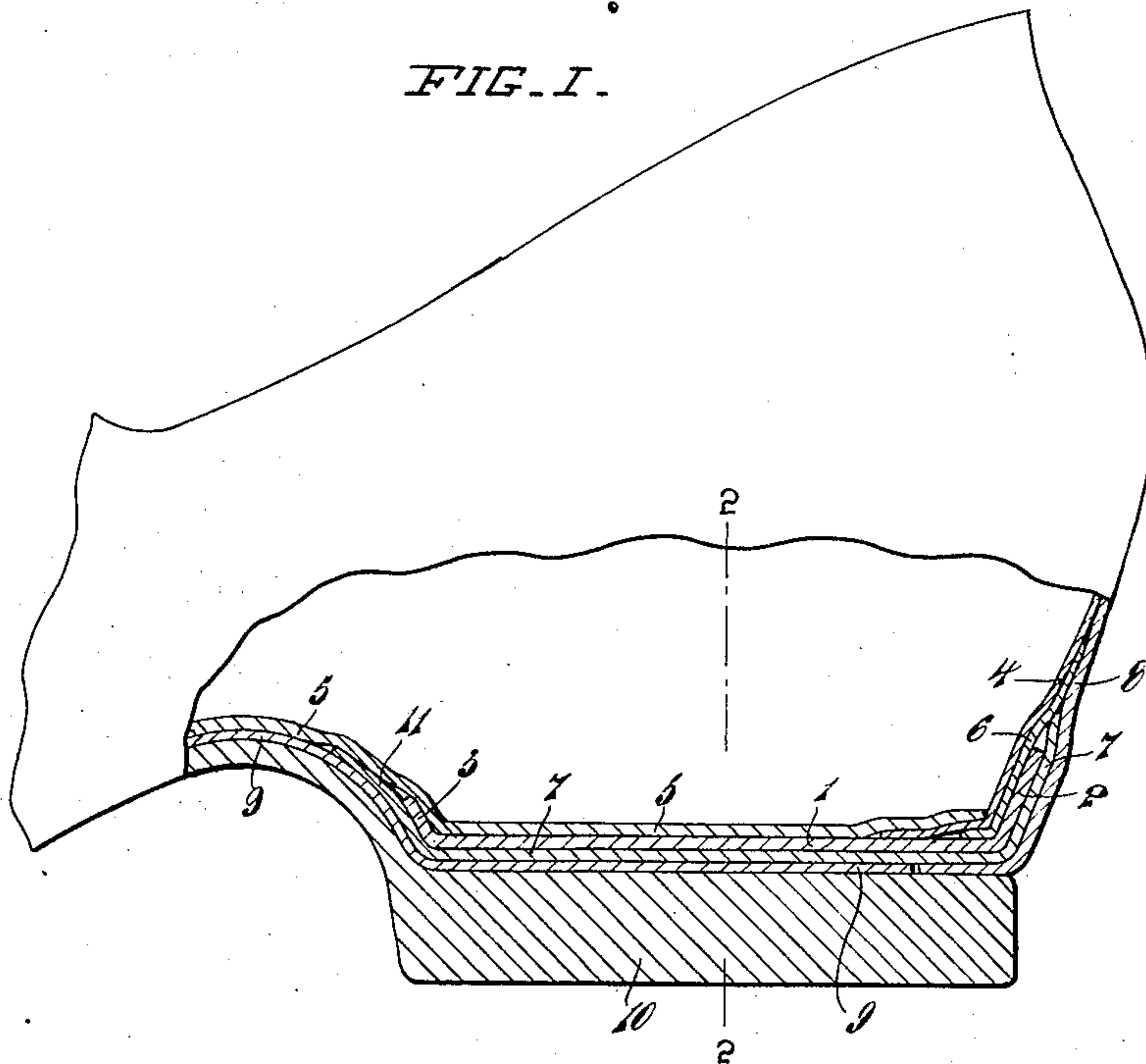


FIG. 2.

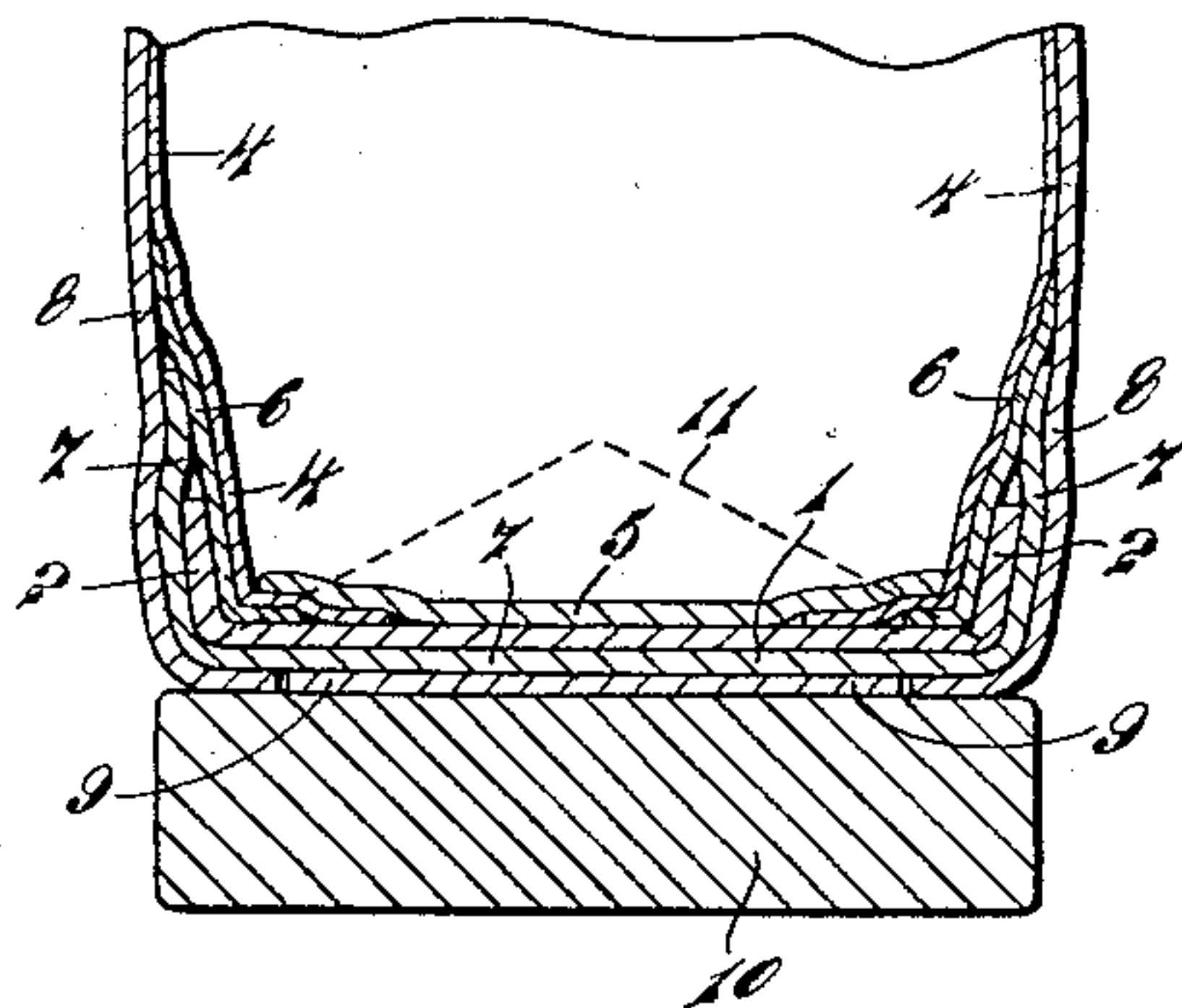
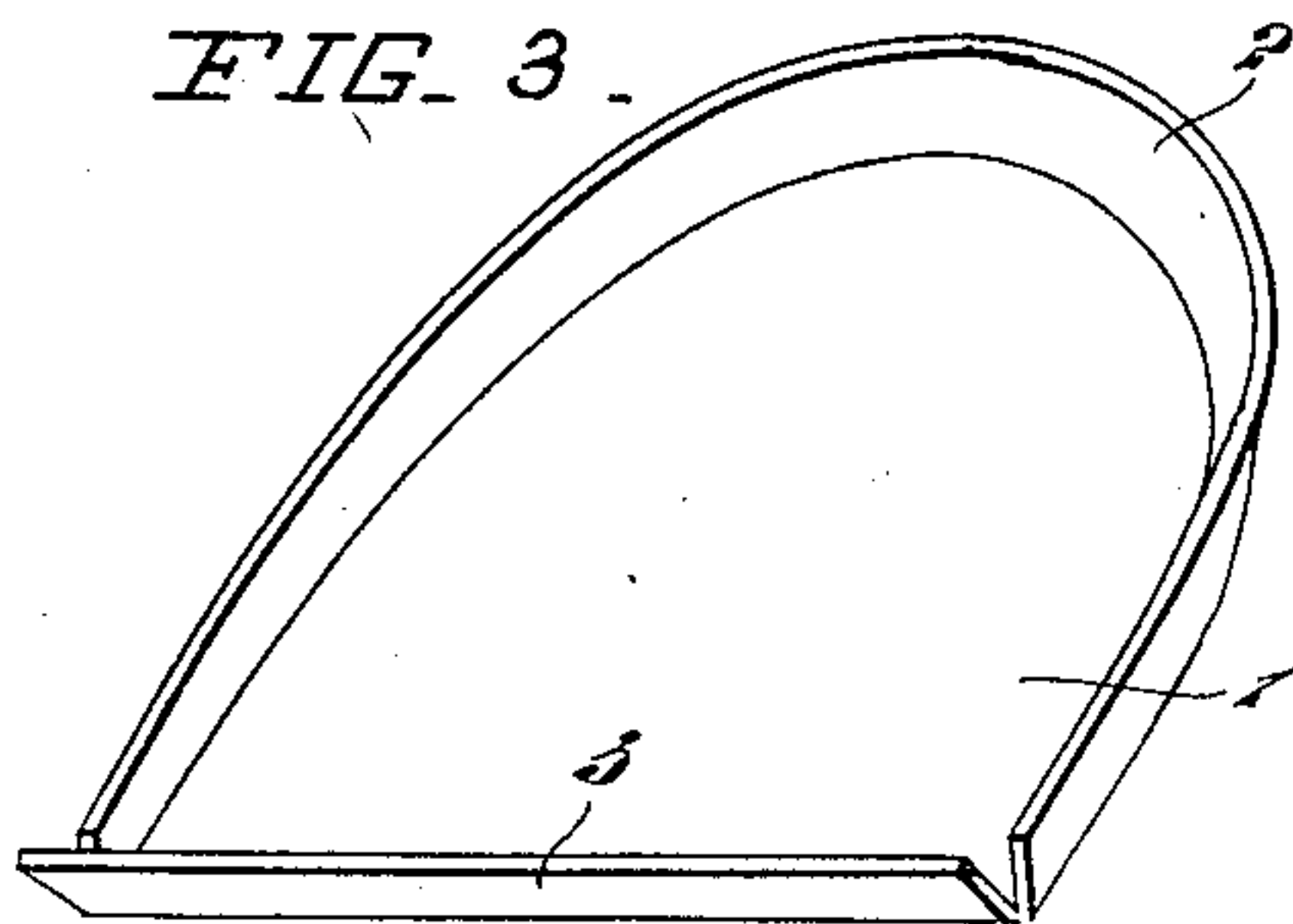


FIG. 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

GEORGE EDWARD SMITH, OF WELLINGTON, NEW ZEALAND.

RUBBER FOOTWEAR.

No. 920,676.

Specification of Letters Patent.

Patented May 4, 1909.

Application filed November 25, 1908. Serial No. 464,471.

To all whom it may concern:

Be it known that I, GEORGE EDWARD SMITH, a subject of His Majesty the King of Great Britain and Ireland, residing at 215 Lambton Quay, Wellington, in the Provincial District of Wellington, in the Dominion of New Zealand, have invented certain new and useful Improvements in Rubber Footwear, of which the following is a specification.

The invention has for its object the strengthening of the heels and thereby increasing the durability of galoshes and similar rubber footwear.

I am aware that it has been contemplated to reinforce the heel of a rubber galosh by attaching thereto a pad or the like of leather or other material, and for the purpose of securing the said pad in position a metal plate has been employed inside the galosh to which plate the pad has been secured by rivets. Said construction is described in the United States Patent No. 368,479, dated August 16, 1887 granted to John MacIlvaine, of West New Brighton, New York.

According to my invention I employ a flanged metal plate which is located within the heel of the galosh between the insole and the outer sole. This metal plate is secured in position during the construction of the galosh in a manner which will now be particularly described by the aid of the accompanying drawing wherein;—

Figure 1, is a vertical central section of the rear portion of a galosh, Fig. 2, a cross section on line 2—2 Fig. 1, and Fig. 3, a side perspective elevation of the flanged plate drawn to a smaller scale.

The metal plate 1 shown particularly in Fig. 3 is preferably made of aluminium and has the upturned flange 2 which extends along the sides and rear end. The front 3 of the plate is bent upwardly as shown to pass into the rear portion of the waist of the galosh in front of the heel.

The method of arranging and securing the plate within the galosh will be understood by reference to Figs. 1 and 2. The inner lining 4 of the upper extends beneath the insole 5 which rests upon the upper face of the metal plate 1. A stiffening or counter piece 6 extends around the sides and rear of the heel between the plate and the inner lining 4. The covering piece 7 of strong rubberized canvas known as "friction cloth", is ar-

ranged beneath the plate, and extends above the top of the flange thereof. A tongue 11 extends from the front of the covering piece, overlaps the front of the plate and is secured to the insole. The upper, 8 is secured to this fabric and extends beneath it upon the sides and rear as shown. The filling piece 9 extends from the toe to the rear of the galosh and occupies the space between the inturned edges of the upper 8. It is secured to the covering piece 7, and in addition to forming a level surface materially assists in securing the parts together. The heel portion 10 which is integral with the sole of the galosh is secured to this filling piece and to the edges of the upper. The whole of the parts are joined by rubber solution or the like material usually employed, and the galosh is put through a vulcanizing process in the usual manner.

What I do claim and desire to secure by Letters Patent of the United States is:—

1. In a galosh, the combination for the purpose indicated, of an insole, an outer sole having an integral heel portion, an upper lining having its lower edges inturned beneath said insole, a metal flanged plate located between the said insole and the heel portion of the outer sole, a covering piece beneath said plate, an upper having its edges inturned beneath said covering piece, and a filling piece secured to said covering piece between the edges of said upper, substantially as specified.

2. In a galosh, the combination for the purpose indicated, of an insole, an outer sole having an integral heel portion, an upper lining having its lower edges inturned beneath said insole, a metal flanged plate located between the said insole and the heel portion of the outer sole, a stiffening or counter piece between said plate and said lining of the upper, a covering piece beneath said plate, an upper having its edge inturned beneath said covering piece and a filling piece secured to said covering piece between the edges of said upper, substantially as specified.

In testimony, whereof I have signed my name to this specification in the presence of two witnesses.

GEORGE EDWARD SMITH.

Witnesses:

JOHN JOSEPH WATSON,
PERCY B. WRIGHT.