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G. S. GUMAER

MEANS FOR VENTILATING FOOTWEAR

Filed June 24, 1921

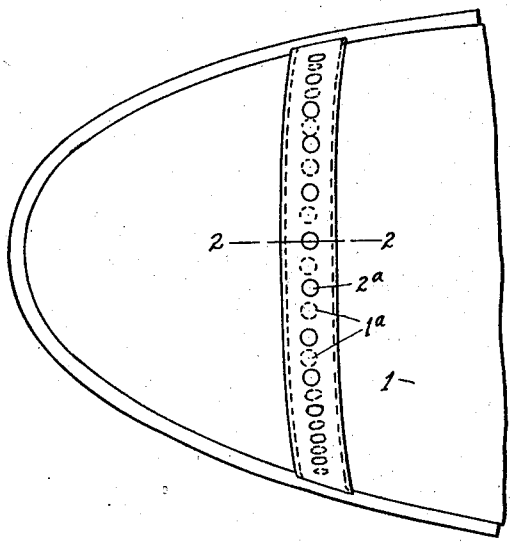


FIG. 1

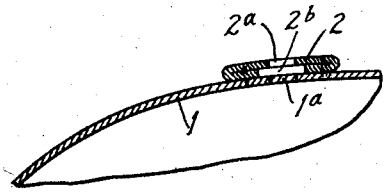


FIG. 2.

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UNITED STATES PATENT OFFICE.

GEORGE S. GUMAER, OF CORONADO, CALIFORNIA.

MEANS FOR VENTILATING FOOTWEAR.

Application filed June 24, 1921. Serial No. 480,039.

To all whom it may concern:

Be it known that I, GEORGE S. GUMAER, a citizen of the United States, residing at Coronado, in the county of San Diego and State of California, have invented a certain new and useful Means for Ventilating Footwear, of which the following is a specification.

My invention relates to a means for ventilating foot-wear, more particularly shoes, boots, slippers and the like and the objects of my invention are; first, to provide a means for ventilating foot-wear in which perforations in one member are positioned in offset relation to the perforations in another member so that they do not communicate directly and also provides a well defined channel for passage of air between one member and the other thus providing communicating means not observable from the outside; second, to provide a means of this class which may be positioned anywhere desirable on the footwear but it is preferred to place it on the toe of a shoe or other footwear; third, to provide a means of this class which does not necessarily form a part of a tip of a shoe or other footwear; fourth, to provide a novelly constructed means for ventilating footwear and fifth, to provide a means of this class which is very simple, and economical of construction, efficient in its action, durable and which will not readily deteriorate or get out of order.

With these and other objects in view as will appear hereinafter, my invention consists of certain novel features of construction, combination and arrangement of parts and portions as will be hereinafter described in detail and particularly set forth in the appended claim, reference being had to the accompanying drawings and to the characters of reference thereon which form a part of this application, in which:

Figure 1 is a top view of a fragmentary portion of a shoe showing my means in connection therewith for ventilating the same and Fig. 2 is a fragmentary sectional view through 2—2 of Fig. 1.

Similar characters of reference refer to similar parts and portions throughout the views of the drawings.

The shoe upper 1, and channel forming cover strip 2 constitute the principal parts of my ventilating means.

The shoe upper 1 may be of the ordinary or conventional type of shoe uppers except that it is provided with a row of spaced apart perforations 1^a of suitable size through said upper.

Mounted over this row of perforations 1^a is the channel cover forming strip 2 which consists of a narrow strip of material preferably the same material as the upper 1, provided with spaced perforations 2^a in a row along the middle thereof and so positioned that the perforations 2^a are positioned intermediate the perforations 1^a in the upper 1 presenting an offset relation as shown by solid and dotted lines in Fig. 1 of the drawings. This member 2 is folded under at both edges and sewed through the three thicknesses of material as shown best in Fig. 2 of the drawings, thus providing a well defined channel 2^b between the middle of the strip 2 and the upper 1 immediately over the perforations 1^a.

It will be noted that this means is so constructed that the middle portion of the cover strip is securely held in spaced relation from the upper 1, providing a well defined channel for the air to pass from the interior to the exterior and from the exterior to the interior with the movement of the foot relatively to the shoe upper while walking or the like.

It will also be noted that these perforations 1^a may be placed in any location desirable in the shoe upper and not necessarily on the toe and this cover strip 2 positioned thereover as described.

Though I have shown and described a particular construction, combination and arrangement of parts and portions I do not wish to be limited to this particular construction, combination and arrangement but desire to include in the scope of my invention the construction, combination and arrangement substantially as set forth in the appended claim.

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

In a shoe, an upper and a row of spaced perforations arranged crosswise thereof and also having a narrow strip of material sep-

arate from, placed upon, and also extending across the upper, at a point spaced from the toe of the shoe, said strip having perforations arranged substantially medially therein and also having inwardly turned flaps on both sides of its under side, said flaps being secured to the upper and spacing the medial, perforated portion of the strip from the upper; whereby an air channel is formed between the perforated portion of the upper and the perforated portion of the strip.

In testimony whereof, I have hereunto set my hand at San Diego, California, this 18th day of June, 1921.

GEORGE S. GUMAER.