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M. D. HERCEG
VENTILATED SHOE

2,614,339

Filed April 25, 1951

Fig. 1

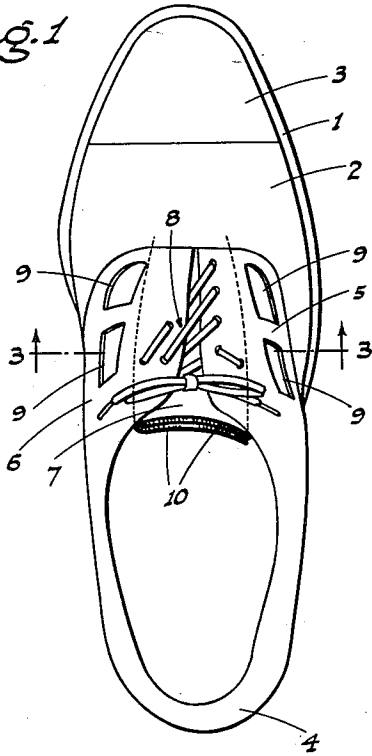


Fig. 2

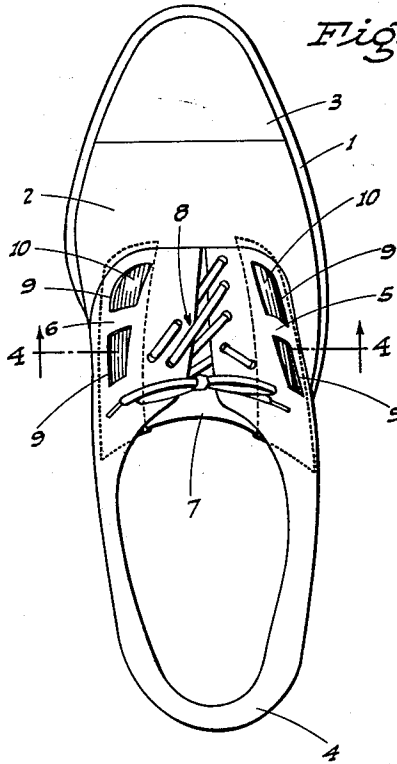


Fig. 3

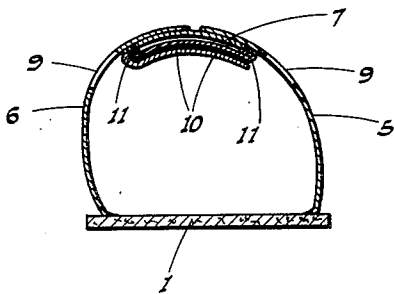
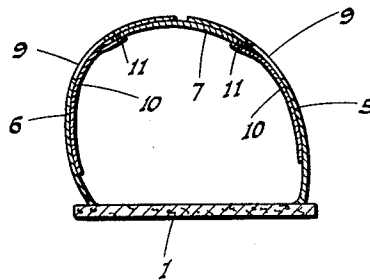


Fig. 4



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2,614,339

VENTILATED SHOE

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3 Claims. (Cl. 36--3)

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This invention relates generally to an improvement in shoes; the feature of novelty being, and it is an object to provide, vent openings, in one or both sides of a shoe, with flaps adapted to be positioned over such openings when a non-ventilated shoe is desired, as in cold or inclement weather.

Another object of the present invention is to provide a shoe, as in the preceding paragraph, wherein the flaps are folded to an out-of-the-way position, i. e. clear of the vent openings, when the shoe is worn under conditions where shoe ventilation affords foot comfort.

An additional object of the invention is to arrange the flaps, which are of soft, flexible material, so that such flaps may be readily and conveniently folded between vent closing and opening positions; the flaps—in either position—not causing any discomfort to the wearer.

A further object of the invention is to provide a vent opening and flap arrangement, as above, which can be embodied in shoes, for men or women, with ease and economy; the design being simple and thus readily manufactured.

Still another object of the invention is to provide a practical and reliable ventilated shoe, and one which will be exceedingly effective for the purpose for which it is designed.

These objects are accomplished by means of such structure and relative arrangement of parts as will fully appear by a perusal of the following specification and claims.

In the drawings:

Fig. 1 is a top plan of a shoe embodying the invention; the flaps being open.

Fig. 2 is a similar view, but with the flaps closed.

Fig. 3 is a cross section on line 3—3 of Fig. 1.

Fig. 4 is a cross section on line 4—4 of Fig. 2.

Referring now more particularly to the characters of reference on the drawings, the invention is here shown as embodied in connection with a man's shoe which includes a sole 1; vamp 2; toe 3; heel 4; and outside and inside quarter portions, indicated at 5 and 6, respectively.

A tongue 7 normally underlies the adjacent edges of the quarter portions 5 and 6, which portions are laced together by a diagonal lacing arrangement, indicated generally at 8; such lacing arrangement being more specifically shown and described in my copending application, Serial No. 216,189 on Shoe Construction With Diagonal Lacing.

Laterally outwardly of the tongue 7, and the diagonal lacing arrangement 8, the quarter portions 5 and 6 are formed with vent openings therethrough, as at 9; there being—in the pres-

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ent embodiment—a pair of said openings, in longitudinally spaced relation, in each quarter portion of the shoe.

The tongue 7 is formed, along opposite longitudinal edges, with lateral extensions or flaps 10; such flaps being foldable along a longitudinal hinge line, as at 11, for folding between an open position underlying the tongue 7, as in Figs. 1 and 3, to a closed position underlying the vent openings 9, as in Figs. 2 and 4.

It will thus be recognized that by the simple expedient of manually folding the flaps 10 to open or closed position, as above, the shoe may be either ventilated or non-ventilated, as conditions may require. In this manner the wearer of the shoe is assured of foot comfort at all times; i. e., the shoe can be well ventilated in the quarter portions thereof during warm weather, or may be enclosed during cold or inclement weather.

As a modification, the flaps 10 may be longitudinally hinged within the shoe to the quarter portions 5 and 6 directly below the vent openings 9, whereby such flaps would be in a dependent position when opened, and swung upwardly when closed.

Also, for ornamentation the faces of the flaps 10 which are uppermost when said flaps are closed may be of a distinctive color, which color will show through the vent openings 9 and thus be very attractive.

The flaps 10 are preferably of water-proof material, so that when they cover the vent openings 9, the shoe as a whole will be substantially water-tight.

As will be noted, the flaps overlap when folded under the tongue, as shown in Figs. 1 and 3, and when opened up, extend well below the openings 9, as shown in Fig. 4. This overlapping prevents discomfort to the foot when the flaps are folded, and when unfolded, to cover the openings, they are clamped by the foot against the lower portions of the quarters, and cannot creep up to uncover the openings.

From the foregoing description it will be readily seen that there has been produced such an article of manufacture as will substantially fulfill the objects of the invention as set forth herein.

Having thus described the invention, the following is claimed as new and useful, and upon which Letters Patent are desired:

1. In a shoe including a side portion, the latter having a vent opening therethrough, and a flap secured on the shoe for folding between an open and a closed position relative to the vent opening; the shoe including a tongue, and the flap being inside the shoe and comprising a lat-

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eral extension of the tongue, said extension folding under the tongue when in open position.

2. In a shoe including quarter portions and a tongue engaged beneath adjacent edge portions thereof; said quarter portions having vent openings therethrough laterally outward from the tongue, and flaps within the shoe comprising lateral extensions of the tongue adapted to fold between closed positions underlying the openings, and open positions underlying the tongue.

3. In a shoe including quarter portions and a tongue engaged beneath adjacent edge portions thereof; said quarter portions having vent openings therethrough laterally outward from the tongue, and flaps secured along one edge within the shoe in position to extend from underlying and closing relation to the openings, to a folded position clear of said openings.

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