

(No Model.)

D. D. TOAL.
SHOE.

No. 563,629.

Patented July 7, 1896.

Fig: 1.

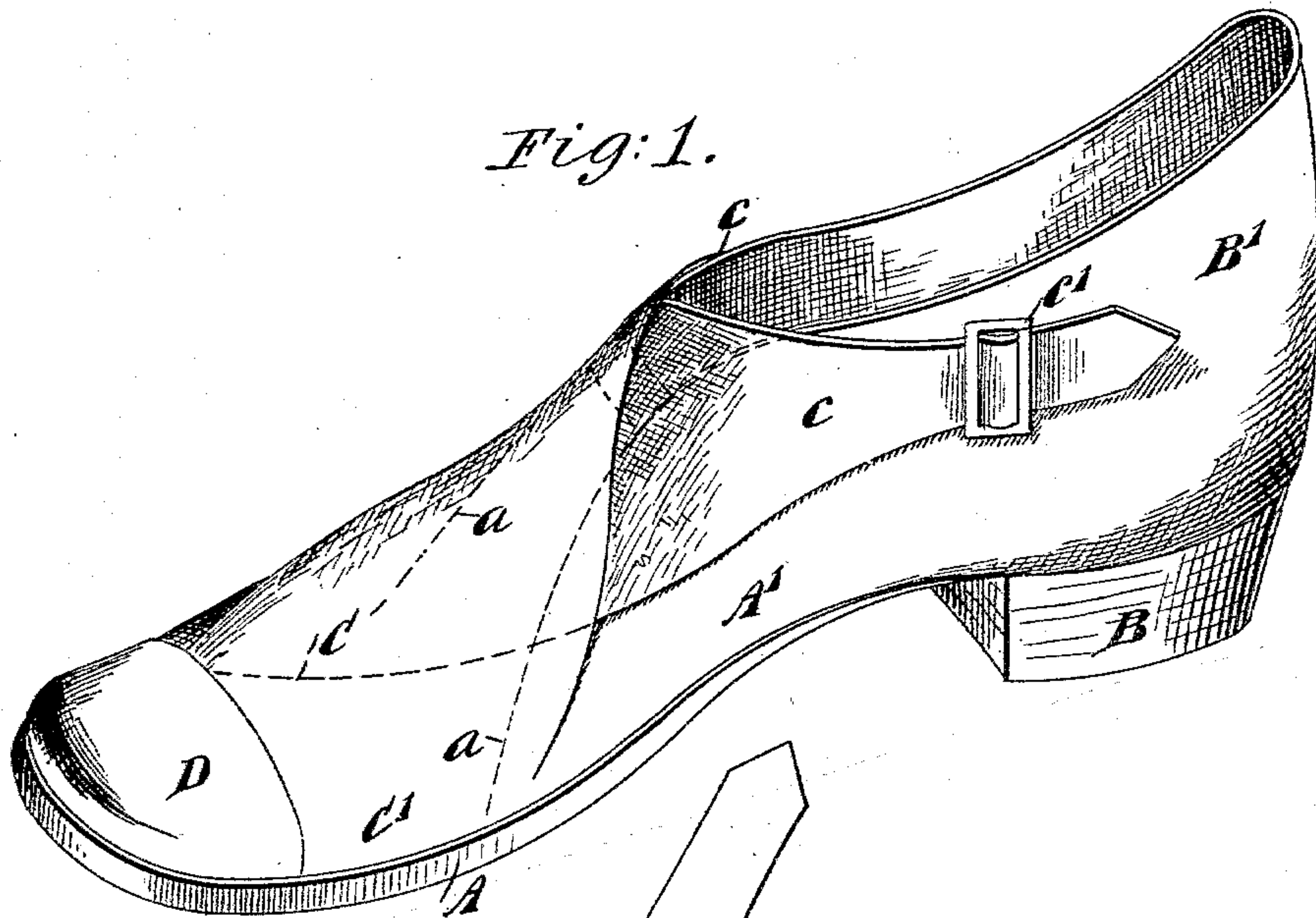
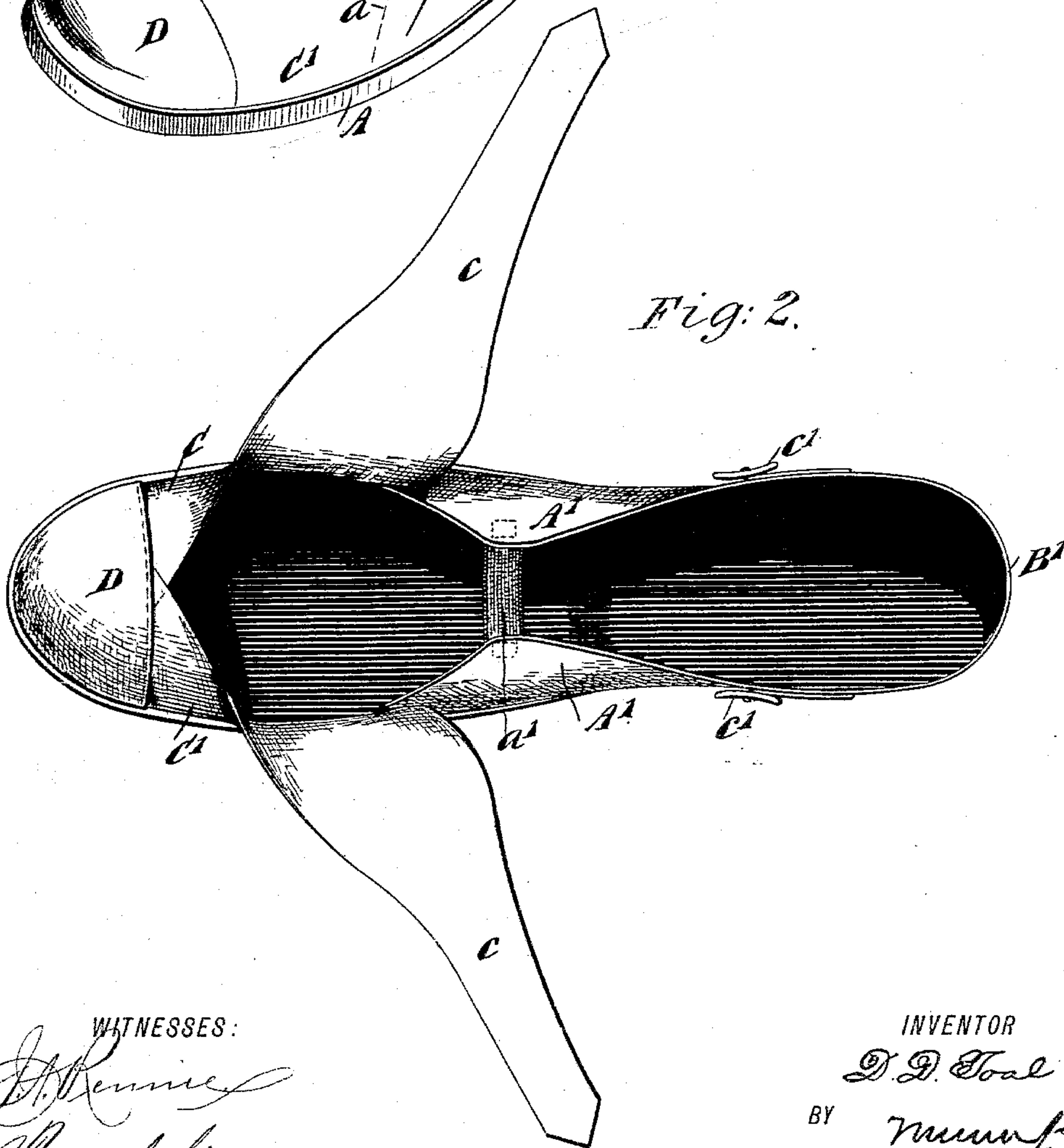


Fig: 2.



WITNESSES:

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SHOE.

SPECIFICATION forming part of Letters Patent No. 563,629, dated July 7, 1896.

Application filed February 20, 1896. Serial No. 580,111. (No model.)

To all whom it may concern:

Be it known that I, DAVID D. TOAL, of New York city, in the county and State of New York, have invented a new and useful
5 Improvement in Shoes, of which the following is a full, clear, and exact description.

My invention relates to an improvement in shoes, and the object of the invention is to provide a shoe which will be exceedingly
10 comfortable and particularly adapted for bicycling, for pedestrian use, and for other purposes in which the foot is called into constant action.

A further object of the invention is to provide a shoe which will afford sufficient ventilation to the foot and enable the immediate covering of the foot to be properly dried
15 in the event it becomes wet.

A further object of the invention is to so construct the shoe that the ankle, the instep, and the entire upper portion of the foot will be untrammelled while the shoe is being worn.

The invention consists in the novel construction and combination of the several
25 parts, as will be hereinafter fully set forth, and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in both figures.
30

Figure 1 is a perspective view of the shoe with the parts thereof in the position they would assume when the shoe is being worn; and Fig. 2 is a plan view of the shoe, illustrating the insole thereof exposed practically
35 for its entire length.

In carrying out the invention the sole A of the shoe and the heel B may be of the ordinary construction. The shoe is what is
40 generally known as a "low-cut" shoe, and the upper A' and the counter B' are made in one piece and are attached to the sole and the heel in the usual manner. The front portion of the upper is divided, and the members at that portion are given preferably a
45 somewhat convexed form and terminate at their lower ends at a point between the instep portion of the sole and the toe of the same, preferably nearer the latter than the
50 former, as shown in dotted lines *a* in Fig. 1.

Over the instep portion of the shoe an elastic strap *a'* is located, which connects the

two members of the sides of the upper, and the tendency of the said strip is to maintain the heel of the foot in such position relative
55 to the back portion of the counter that that portion of the shoe will be prevented from dragging down to any appreciable extent.

The vamp of the shoe is made in two sections C and C', secured to the sole in any approved manner, and the two vamp-sections are so made that one will cross the other permanently at or near the toe portion of the shoe, as shown in Fig. 2, and each vamp-section is provided with a tab extension *c*, and
60 these tab extensions are adapted to be carried one over the other, as shown in Fig. 1, and are made to enter or to be engaged by buckles *c'* or equivalent fastening devices located one at each side of the counter-section
65 of the shoe, as shown in both of the figures, the right-hand tab being made to engage the left-hand buckle or fastening device and the left-hand tab being carried to an engagement with the right-hand buckle or any equivalent
70 that may be employed.

When the tab portions of the vamp are folded one upon the other, they will cross the upper and will complete the contour of the upper-opening of the shoe receiving the
80 ankle of the foot, as shown in Fig. 1. If in practice it is found desirable, a tip D may be employed, and preferably such an accessory to the shoe is used, but it may be omitted without departing from the spirit of the
85 invention.

The counter portion of the shoe may be either rendered rigid in the usual manner or it may be made of a pliable material. Under the construction above described the boot or
90 shoe, to either of which the improvement may be applied, will be cool and comfortable in warm weather and warm and comfortable in cold weather; and it is claimed that the invention does away with all straps for pulling
95 on the shoe and all elastic and elastic substances that may tend to have a compressing effect upon the foot. It is furthermore claimed for the invention that this shoe will prevent the sweating of the foot, as the circulation of
100 the air, combined with the normal heat of the foot, will maintain the feet dry. It is also claimed that the improvement will effectually dispose of corns and bunions, as the

exciting cause for these will be effectually done away with.

One of the great causes of inflammatory rheumatism is wet feet and socks, or wet shoes remaining on the feet for too long a period of time. It is claimed that the circulation of air will dry the improved shoes and the stockings covering the feet thoroughly and in a short space of time, and then the dampness has no opportunity to affect the kidneys through the system. Furthermore, the toes of the socks will be better preserved, and the toe-nails and toes will be free from the injury caused by pulling on shoes when damp and tight-fitting. It is furthermore claimed that in inserting the feet in the improved shoe the shoe can be laid open, and after the foot is inserted the shoe can be adjusted to any degree of tightness consistent with comfort. The shoe, as heretofore stated, is particularly adapted for military or bicycling purposes, and all lacing or buttonings are dispensed with. The back or counter of the shoe may be raised to any desired height.

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

1. A shoe having its vamp in sections, the sections being arranged to overlap, and means

for attaching the overlapping sections of the vamp to the counter portion of the shoe, as and for the purpose specified.

2. A shoe having its counter and upper constructed in one piece, the upper being divided at the front, and the side portions of the counter being provided with fastening devices, and a vamp constructed in overlapping sections provided with tabs adapted to be passed one over the other for engagement with the fastening devices of the counter, as and for the purpose specified.

3. In a shoe, the combination, with the sole and the heel of the same, of a counter-section and an upper section constructed in one piece, the upper section being divided at the front, and an elastic strip connecting the sections of the upper at the instep portion of the shoe, fastening devices attached to the sides of the counter-sections of the shoe, and a vamp constructed in overlapping sections, provided with tabs arranged to fold one over the other and engage with the said fastening devices, as and for the purpose specified.

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