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Improved tongue for footwear

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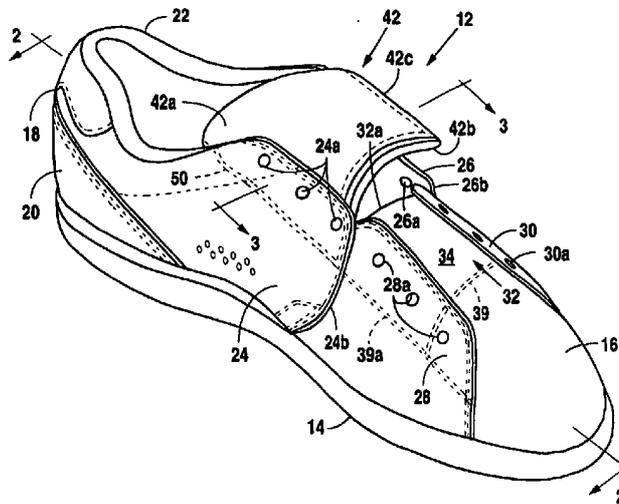
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(54) Title: IMPROVED TONGUE FOR FOOTWEAR

(57) Abstract

Footwear with single or double vamp sections comprising a split tongue including a rearward tongue portion which is firmly attached along one side thereof to a medial vamp section of the shoe. While the rearward tongue portion is firmly connected to a medial vamp section, the connection may be permanent or replaceable. A forward tongue portion may be integrally formed with the forward upper, or be an extension of the forward upper, or be secured to the forward upper along a transverse edge and/or to one or both of the vamp sections, or be secured to one of the vamp sections only. One or both tongue portions may be formed to have pockets for receiving cushioning members and/or saddle members to reduce pressure on the instep. The forward edge of the rearward tongue portion overlies

the rearward edge of the forward tongue portion in the working position. The split tongue arrangement, particularly with the rearward tongue portion being attached to the medial vamp section, eliminates slippage of the tongue to the lateral side of the foot during use of the footwear while protection and comfort are provided by the cushioning members and/or saddle members.



IMPROVED TONGUE FOR FOOTWEAR

Laced footwear, as well as footwear having other means for fastening the vamps over a longitudinal tongue extending over the instep, suffer from the long-standing
5 problem of the tongue tending to slip off to the lateral side of the foot, at least partly as a result of the shape of the instep. This problem is particularly aggravated in athletic shoes, such as tennis shoes, baseball shoes, basketball shoes and other sport shoes wherein extreme pressure is repeatedly placed on the feet in lateral directions.

10 When the shoe tongue slips off to the lateral side of the foot, the laces, buckles, eyelet grommets or other fastening members directly engage the instep, tending to cause discomfort and possible injury. Moreover, when the tongue slips to the lateral side, the shoe tends to become loose on the wearer's foot. Sport and specialized athletic footwear particularly tend to suffer from slippage of the tongue. In many instances dress shoes also
15 tend to suffer from the above described slippage, particularly after moderate to long periods of wear, which not only causes discomfort to the wearer, but also detracts from the aesthetic appeal of the footwear.

20 One effort which has been made to avoid the above-mentioned slippage is to attach the tongue to the toe cap or forward upper of the shoe with heavier or increased numbers of rows of stitching in an effort to avoid the tendency for the tongue to bend laterally into the slipped position described herein. However, this solution has been somewhat unsatisfactory in that the increased stitching can be unattractive and can cause discomfort to the wearer of the shoe. Increasing the stiffness of the tongue is also an unappealing
25 option due to lack of compliance of the tongue with movement of the foot, particularly in sport type shoes.

30 Another effort which has been made to avoid tongue slippage is to provide footwear wherein a single, unitary tongue is attached to the medial vamp section by an elastic or stretchable member which normally holds the tongue in its preferred working position. However, the elasticity or stretchability of the attachment member may allow



the tongue to slip to the lateral side of the foot during use thereby failing to solve the tongue slippage problem.

5 Still further, prior footwear has been developed wherein a single, unitary tongue may be secured (during usage of the footwear) along one side of the tongue to the medial vamp section by hook and loop fastener strips. The forward end of the tongue remains secured to the forward upper and the rearward end of the tongue is usually detached during unfastening and removal of the shoe. This type of nonreplaceable attachment of the unitary tongue to the footwear is also unsatisfactory in that hook and loop fastener strips tend to snag on the wearer's stocking or sock when donning or removing the shoe and during use. Moreover, with this type of attachment it is inevitable that the tongue will become detached sooner or later during usage of the footwear due to accumulation of lint or other material in the hoop or loop portions. Accordingly, these prior art single vamp tongue attachments have been unsatisfactory in one respect or another.

10
15 Preferred embodiments of the present invention overcome the problems mentioned hereinabove with an improved tongue construction for single vamp as well as double vamp laceable shoes and shoes using other types of fastening means between opposed vamps or upper portions of the shoe.

20
25 The present invention pertains to footwear and provides an improved shoe construction, including a tongue which is attached to the shoe in such a way as to eliminate slippage to either the lateral or medial side of the shoe. The tongue of the present invention is a split tongue, the upper or rearward portion of which is firmly connected, either permanently or replaceably, to a vamp.

In accordance with one aspect of the present invention, there is provided footwear comprising

a sole,

30 a forward upper connected to said sole and forming a toe cap,

opposed vamp sections connected to said sole, whereby each of said opposed vamp



sections may be drawn toward each other to secure said footwear to a foot during use,

a forward tongue portion connected to said forward upper, and

a rearward tongue portion firmly connected to one vamp section of said opposed
vamp sections and adapted to overlie an instep of a foot disposed in said footwear without
5 slippage toward the lateral or medial side of a foot during use, wherein said tongue
portions are split such that said rearward tongue portion is independently separate from
said forward tongue portion, and wherein

said opposed vamp sections comprise a pair of opposed forward vamp sections and
a pair of opposed rearward vamp sections,

10 said forward tongue portion is adapted to be disposed under said opposed forward
vamp sections when said opposed forward vamp sections are secured to each other, and

said rearward tongue portion is adapted to be disposed under said opposed rearward
vamp sections when said opposed rearward vamp sections are secured to each other.

15 In accordance with another aspect of the present invention, there is provided
footwear comprising

a sole,

a forward upper connected to said sole and forming a toe cap,

opposed vamp sections connected to said sole, whereby each of said opposed vamp
20 sections may be drawn toward each other to secure said footwear to a foot during use,

a forward tongue portion connected to said forward upper, and

a rearward tongue portion firmly connected to one vamp section of said opposed
vamp sections and adapted to overlie an instep of a foot disposed in said footwear without
slippage toward the lateral or medial side of a foot during use, wherein said tongue
25 portions are transversely split such that said rearward tongue portion is independently
separate from said forward tongue portion, and wherein

said forward and said rearward tongue portions are adapted to be disposed under
said opposed vamp sections when said opposed vamp sections are secured to each other.

30 In accordance with another aspect of the present invention, there is provided
footwear comprising



- 2B -

a sole,
a forward upper connected to said sole and forming a toe cap,
opposed vamp sections connected to said sole, whereby each of said opposed vamp
sections may be drawn toward each other to secure said footwear to a foot during use,
5 a forward tongue portion integral with said forward upper, and
a rearward tongue portion firmly connected to one vamp section of said opposed
vamp sections and adapted to overlie an instep of a foot disposed in said footwear without
slippage toward the lateral or medial side of a foot during use, wherein said tongue
portions are transversely split such that said rearward tongue portion is independently
10 separate from said forward tongue portion.

In accordance with one embodiment of the present invention, improved footwear is
provided which includes a shoe having upper portions characterized by single opposed
vamp sections, as well as a double vamp construction, wherein a split tongue is provided
15 which is attached to the shoe in such a way as to eliminate slippage of the tongue during
wearing of the shoe. In a shoe having a single vamp construction, the split tongue may be
configured such that a forward portion of the tongue is secured to the forward upper across
a front edge of the forward tongue portion. In such



configuration, the forward tongue portion may also be secured to the medial vamp section. The forward tongue portion may also be formed integral with the forward upper, or be an extension of the forward upper and secured to the medial vamp section. That is, the forward tongue portion may be formed as an extension of the toe cap or as a separate piece
5 which is attached to the toe cap by stitching or some other means. The rearward or upper portion of the split tongue is firmly connected, either permanently or replaceably, to the vamp, preferably the medial vamp section, along one longitudinal side of the tongue portion. The tendency for the tongue to slide off to the lateral side of the instep of the wearer's foot is thus completely eliminated, the shoe retains its intended appearance, the
10 shoe does not become loose during wearing thereof, and there is no degradation of comfort to the person wearing the shoe.

In accordance with another embodiment of the invention, a double-lace or double vamp shoe construction is provided having upper and lower vamps, wherein a tongue
15 construction is provided which also includes a lower or forward tongue portion disposed under the lower or forward vamp sections and connected to or formed as an extension of the toe cap or forward upper. The forward tongue portion may also be permanently connected along a side of the tongue portion to the medial forward vamp section. The upper or rearward tongue portion is firmly connected, either permanently or replaceably, to
20 one of the upper or rearward vamp sections, preferably the medial upper vamp section. This tongue arrangement also minimizes or eliminates the tendency for the tongue portions to slip laterally during wearing of the footwear. In a preferred arrangement for either the single or the double vamp construction, the upper tongue portion at least partially overlies the lower tongue portion. Alternatively, the lower edge of the upper tongue portion may
25 meet the upper edge of the lower tongue portion.

As used herein, "a forward tongue portion connected to said footwear" means that the forward tongue portion is an extension of the forward upper (but not forming an integral tongue portion in the forward upper or toe cap), or is permanently attached to the forward upper and/or a vamp. Also as used herein, the rearward tongue portion "firmly
30 connected" to a vamp means that the rearward tongue portion is permanently attached such as with stitches (or other means as provided herein or as known to one of skill in the



art in light of the present disclosure) or that the rearward tongue portion is replaceably attached such as with hook and loop fastener means (or other means as provided herein or as known to one of skill in the art in light of the present disclosure). The rearward tongue portion, when secured or attached either permanently or replaceably to a vamp, is firmly
5 connected.

In accordance with yet another embodiment of the invention, a shoe construction is provided wherein one or both portions of a split tongue include a pocket for removably receiving a layer or pad of cushioning material or a member characterized by a piece of
10 material such as a thin graphite-plastic composite which, when depressed by tying the footwear laces or securing other fastening devices, tends to protect the underlying portion of the foot by resisting and distributing pressure caused by the laces or other footwear fastening devices. Alternatively, a footwear saddle may be used in accordance with the invention disclosed and claimed in my U.S. Patent No. 5,581,912 issued December 10,
15 1996 entitled FOOTWEAR SADDLE which is hereby incorporated herein by reference.

The permanent and firm connection of the upper or rearward tongue portion to a vamp provides an upper or rearward tongue portion which is nonremoveable or nondetachable during normal usage of the shoe, and which maintains its position relative
20 to the vamp section to which it is connected. The replaceable and firm connection of the upper or rearward tongue portion to a vamp provides an upper or rearward tongue portion which may be removed and replaced by a different tongue portion; yet during connection, the replaceable tongue is in firm connection. The present invention further provides a tongue construction for footwear which is more comfortable to the wearer of the footwear
25 than prior tongue constructions, is easy to assemble during manufacture of the shoe and includes advantages which will be appreciated by those skilled in the art.

FIGURE 1 is a perspective view of a double-lace or double-vamp shoe illustrating a split tongue construction in accordance with the present invention;

30 FIGURE 2 is a section view taken generally along the line 2-2 of FIGURE 1;

FIGURE 3 is a section view taken generally along the line 3-3 of FIGURE 1 but



showing the upper or rearward tongue portion disposed between the upper or rearward vamp sections;

FIGURE 4 is a detail section view taken generally along the line 4-4 of FIGURE 3;

FIGURE 5 is a top plan view of the double-lace shoe shown in FIGURES 1
5 through 3;

FIGURE 6 is a perspective view of a single-lace shoe having a tongue construction in accordance with the invention;

FIGURE 7 is a section view taken generally along the line 7-7 of FIGURE 6;

FIGURE 8 is a section view taken generally along the line 8-8 of FIGURE 6 but
10 showing the upper or rearward tongue portion disposed between the vamp sections;

FIGURE 9 is a detail section view taken along the line 9-9 of FIGURE 8;

FIGURE 10 is a top plan view of the shoe shown in FIGURES 6 through 8; and

FIGURE 11 is a top plan view of a full blucher shoe having a split tongue construction in accordance with the invention.

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Referring to FIGURES 1 and 5, there is illustrated footwear constructed in accordance with the invention characterized as a sport shoe, such as a tennis or running shoe, for example, and generally designated by numeral 12. The shoe 12 is similar in some respects to the special sport shoe described in my U.S. Patent 3,546,796 issued December
20 15, 1970, the disclosure of which is incorporated herein by reference. The shoe 12 includes a conventional sole 14 made of suitable material for sport shoes and having a bottom friction surface, not shown. The shoe 12 includes a forward upper or toe cap 16, also formed of conventional materials for use in sport shoes, and a conventional heel 18 defined by opposed upper portions or quarters 20 and 22. The quarters 20 and 22 are brought
25 together in a conventional manner to form the heel 18 and are also attached to the sole 14 in a conventional manner. Forward opposed side portions of the uppers or quarters 20 and 22 are formed as opposed upper or rearward vamp sections 24 and 26. The left shoe 12 is shown by way of example and the parts of the right shoe, not shown,



would be essentially mirror images of the parts shown and described herein. Since the left shoe is shown as shoe 12, the vamp section 24 is the medial rearward vamp section and the vamp section 26 is the lateral rearward vamp section. The vamp sections 24 and 26 have lace receiving eyelets 24a and 26a spaced therealong in a conventional manner, as shown.

The shoe 12 also includes opposed portions comprising lower or forward vamp sections 28 and 30 which are secured to the sole 14, respectively, in a conventional manner and overlie part of the forward upper or toe cap 16. The vamp sections 28 and 30 extend rearwardly under forward edges 24b and 26b of the rearward vamp sections 24 and 26, respectively.

Referring to FIGURES 1 and 2, the shoe 12 includes a forward or lower tongue portion, generally designated by numeral 32, which is suitably secured (by stitching or other means) to, as shown, or formed in part by, a rearward extension 34 of the toe cap or forward upper 16. The tongue portion 32 is adapted to be disposed under the opposed forward vamp sections 28 and 30 when these sections are pulled toward each other by conventional laces. As will be noted from viewing FIGURE 2, the tongue portion 32 may be fabricated utilizing as one layer of material, the portion 34 of the toe cap or forward upper 16 and having a suitable layer of padding or resilient cushioning material 35 adhered thereto. The tongue part 32 includes a second layer of material 36 having an inner layer of padding or cushioning material 37 adhered thereto and leaving at least a thin, sheet-like space or pocket for receiving an insert 38 which may comprise an elastomer foam pad or a saddle in accordance with that described in my above-referenced U.S. Patent No. 5,581,912. The insert 38 may also comprise a member characterized by a thin layer of a graphite-plastic composite material which, when deflected or depressed, will tend to protect the underlying portion of the foot and distribute pressure caused by the laces or other fastening devices over a larger area of the foot to thereby reduce any discomfort to the wearer of the footwear 12. Alternatively, the pocket or space formed between the layers of cushioning material 35 and 37 may be left vacant.

The rear transverse edge 32a of the forward tongue portion 32 may be left open so that the aforementioned foam pad or saddle 38 may be inserted in the tongue portion 32 or removed therefrom at will. The rear transverse edge 32a may be provided with suitable

releasable fastening means 40, such as strips of hook and loop type fastener, for example, disposed between and secured, respectively, to the layers of material 34 and 36. This arrangement will be explained in further detail with regard to a rearward portion of the split tongue of the present invention described further herein in conjunction with FIGURES 3 and 4. The material layers 34 and 36 are preferably secured to each other across a forward edge, generally parallel to the rear edge 32a, and defined by stitching 39.

Referring again to FIGURE 1, the forward tongue portion 32 is also preferably secured to at least the medial forward vamp section 28 by stitching 39a. The forward tongue portion 32 may also be secured to the lateral forward vamp section 30 by stitching (not shown) generally parallel to the stitching 39a. As previously mentioned, the tongue portion 32 may be separately formed and secured to the forward upper 16 by a transverse row of stitching generally coincident with the row of stitching 39. In this regard, the forward upper 16 would be required to extend rearward only sufficiently beyond the row of stitching 39 to permit securing the tongue portion 32 thereto.

Referring further to FIGURES 1 through 4, the footwear or shoe 12 includes a second and separate rearward or upper tongue portion 42 constructed similar to the tongue portion 32 and including an outer layer of material 44 with a layer of padding or cushioning material 45 adhered to the inner surface thereof. The tongue portion 42 includes an inner layer of material 46 similar to the material used for the layer 44 and also having an inner layer of padding or cushioning material 47 adhered thereto. A thin pocket is formed therebetween for receiving a foam pad or saddle of the types mentioned hereinabove and designated by numeral 49. The layers of material 44 and 46 may be secured to each other by a suitable adhesive or by stitching 43, except on rear transverse edge 42a. The stitching 43 preferably extends along opposed longitudinal side edges as well as a forward transverse edge 42b of tongue portion 42. As further shown in FIGURE 4, the material layers 44 and 46 are preferably folded over at their rearward edges 44a and 46a and suitably secured by stitching or adhesive while the material layers 44 and 46 remain unattached to each other to permit insertion of the foam pad or saddle 49 within the pocket formed between the material layers 44 and 46 and the cushioning layers 45 and 47. Alternatively, releasable fastener means such as hook and loop fastener strips 44b and 46b (or other means as provided herein or as known to one of skill in the art in light of the

present disclosure) may be secured along the rear edges 44a and 46a, respectively, and releasably secured to each other for closing the pocket and retaining the foam pad or saddle 49 within the pocket formed in the tongue portion 42.

As shown in FIGURES 1, 2, 3 and 5, the forward edge 42b of tongue portion 42 preferably overlaps the rearward edge 32a of the tongue part 32, and may overlap the vamp sections 28 or 30. The tongue portion 42 is secured along a longitudinal side edge 42d to the medial vamp section 24 at a stitching line 50, a suitable distance spaced from the eyelets 24a. Stitching line 50 may terminate at a position such that medial forward vamp section 28 may be received between medial rearward vamp section 24 and lower edge 42b of rearward tongue portion 42. The opposite side edge 42c is unattached. Accordingly, the rearward tongue portion 42 is firmly attached to the medial rearward vamp section 24 and thus resists any deflection or movement toward the lateral side of the foot when the footwear 12 is placed in use. Moreover, the firm attachment of the tongue portion 42 to the vamp section 24 assures that the tongue portion 42 will not become detached or suffer from stretching or other movement. Although the tongue portion 42 is permanently and firmly attached to the vamp section 24 by stitching 50, those skilled in the art will recognize that the tongue portion 42 may be attached to the vamp section by other firm attachment means such as an adhesive, or thermal or chemical bonding of the tongue portion to the vamp section, depending on the materials used for these components, or by means such as rivets for other permanent and firm securements which will completely prevent deflection or movement of the tongue portion 42 toward the lateral side of the foot. Alternatively, tongue portion 42 may be replaceably secured to vamp section 24, such as by hook and loop fastener means attached to vamp section 24 and tongue portion 42. Preferably, the hook or loop fastener means may extend the entire length of edge 42d with its mating loop or hook fastener means extending a similar length along vamp section 24. In this configuration, the tongue portion 42 remains secured to vamp section 24, including when the shoe is unfastened, until the wearer replaces tongue portion 42 with an alternate tongue portion 42, such as one having a different color.

Accordingly, the split tongue portions 32 and 42, in the arrangement of the double-vamp or double-laced footwear 12, hold certain advantages. The tongue portion 32 is relatively short and, whether formed as an extension of the toe cap 16 or stitched

thereto as a separate part along stitching line 39, has no tendency to be deflected off to either side of the foot. This lack of tendency to deflect laterally is due to the lateral stiffness of tongue portion 32 as a result of its short length, the flatness of the forward part of the typical wearer's instep, and the fact that the tongue portion 32 may be firmly attached to one or the other, or both, of vamp sections 28 or 30. Moreover, by firmly attaching the upper or rearward tongue portion 42 to the medial rearward vamp section 24 in the manner described hereinabove, upper tongue portion 42 cannot slip or move the lateral side of the foot when the footwear is being worn. The tongue portion 42 may also be attached to the shoe along its side edge 42c to the lateral rearward vamp section 26 in one of the ways described, instead of the vamp section 24, if desired. However, positioning the point of attachment of the tongue portion 42 on the lateral rearward vamp section 26 may not tend to hold the tongue portion 42 in a preferred or normal working position as well as when it is held by attaching the tongue portion 42 to the inner or medial rearward vamp section 24.

When donning the shoe or footwear 12 together with its mating shoe, the lower or forward vamp sections 28 and 30 are drawn together by laces or other fastening means after placing the shoe on the wearer's foot. The laces are tied and tongue portion 42 is placed over the rearward transverse edge 32a of the tongue portion 32, so that the tongue portions 42 and 32 overlap at their edges 32a and 42b. Alternatively, tongue portion 42 is placed adjacent to the rearward transverse edge 32a of the tongue portion 32 so that the tongue portions 42 and 32 meet at their edges 32a and 42b. The forward edge 42b of tongue portion 42 may be placed over or under the rearward extensions of vamp section 28, and over or under the rearward extensions of vamp section 30. The edges 32a and 42b may be of varying thickness, such as by tapering the overlapping tongue portions, to minimize the thickness of the overlapped tongue portions for cosmetic and comfort purposes. The rearward or upper vamp sections 24 and 26 are thereafter drawn together by a suitable lacing means, such as lace 41, so that the vamp sections 24 and 26 snugly overlie the tongue portion 42. During use of footwear 12, there is no tendency for the tongue portions 32 or 42 to slip off to the lateral side of the foot or to move out of their normal working position in any direction, due to the configuration of the tongue portions 32 and 42. When removing the footwear 12 from a wearer's foot, the laces pulling the

rearward vamp sections 24 and 26 together are untied and loosened first, followed by untying and loosening laces which pull the forward vamp sections 28 and 30 together. This latter step may not be required when removing or donning the shoe if the shoe is sufficiently loosened by untying only the laces associated with vamp sections 24 and 26.

5 Referring now to FIGURES 6 through 10, a first alternate embodiment of improved footwear in accordance with the invention is illustrated and generally designated by numeral 52. The footwear 52 is characterized as a sport-type shoe having a sole 54 and opposed upper portions or quarters 56 and 58 which are connected to form a heel 60. A forward upper or toe cap 62 is connected to the sole 54, as are the quarters 56
10 and 58, in a conventional manner. A rearward portion 63 of toe cap 62 forms an integral forward tongue portion of the footwear 52. Forward tongue portion 63 may include a pocket similar to the pocket of forward tongue portion 32. Opposed upper portions comprising the vamp sections 64 and 66 are suitably secured to or formed as part of the quarters 56 and 58. The vamp sections 64 and 66 are also secured to the sole 54, such as
15 by adhesive or stitching along flanges 65a and 65b, in a conventional manner. The vamp sections 64 and 66 each include suitable lace eyelets 64a and 66a, respectively, for receiving a lace 41. The forward tongue portion 63 terminates in a transverse edge 63a, slightly rearward of the forward edges 64b and 66b of the vamp sections 64 and 66. As
illustrated in FIGURES 8 and 10, an improved split tongue is provided for the footwear
20 52 and includes a tongue portion 68 which is firmly and permanently secured, preferably along one longitudinal side edge 68a to the medial vamp section 64 by conventional stitching 70, for example. The stitching 70 may be between the eyelets 64a and the edge or flange 65a of the vamp section which is secured to the sole 54. As with the previous
embodiment, the firm attachment of the tongue portion 68 to the medial vamp section 64
25 completely eliminates slippage of the tongue portion 68 toward the lateral side of the foot. Moreover, the permanent attachment provided by the stitching 70 eliminates the chance of detachment of the tongue portion 68 or snagging of the tongue portion or the vamp
section 64 on the wearer's stockings. As mentioned previously, the attachment means may, instead of or in addition to the stitching, comprise adhesively attaching the tongue
30 portion 68 to the vamp section 64 or a thermal or chemical bond between the vamp section 64 and the tongue portion 68 or other mechanical fastening means such as rivets.

Alternatively, tongue portion 68 may be replaceably secured to vamp section 64, such as by hook and loop fastener means attached to tongue portion 68 and vamp section 64. As described above, the rearward tongue portion 68 would remain secured to the vamp section 64 until purposely replaced by the wearer.

5 As illustrated in FIGURES 7, 8 and 9, the tongue portion 68 is preferably characterized as a flexible cushioned member similar to the tongue portions 32 and 42 and is made up of an outer layer of material 72, having an inner layer of cushioning material 74, an inner layer of material 76 similar to the layer 72 and having a layer of cushioning material or backing 78 secured thereto, thereby providing a thin somewhat sheet-like
10 space or pocket 80 between the material layers. The space or pocket 80 is adapted to be left vacant as shown in FIGURE 7, or to receive a pad of elastomeric foam material or a saddle as previously described for the tongue portions 32 and 42. The material layers 72 and 76 are folded over at their perimeters and stitched together by a conventional stitching 77. The rear transverse edge 68d of tongue portion 68 may be left unstitched and provided
15 with releasable fastener means (such as previously described in connection with tongue portion 32) for providing access to pocket 80. Referring briefly to FIGURE 9, a saddle member 81 is shown disposed in the pocket 80 and is characterized by a relatively thin, somewhat rectangular shaped member formed of a graphite-plastic composite material which has some elasticity and firmness and is operable to distribute pressure exerted by
20 laces or other fastening devices for securing the vamp sections 64 and 66 to each other during normal wear of the shoe 52.

As with the tongue portion 42, the tongue portion 68 may be formed to facilitate comfortable engagement with the wearer's instep. The forward edge 68b of tongue portion 68 is positioned such that it overlies the edge 63a, or placed adjacent to edge 63a
25 so that edges 68b and 63a meet, when the tongue portion 68 is secured to the vamp section 64. As with the footwear 12, the footwear 52 advantageously provides for a tongue portion 68 which is firmly secured to the medial vamp section 64 to prevent slippage of the tongue portion toward the lateral side of the foot when placed in use, particularly in shoes which are used for sport or athletic purposes. However, an arrange-
30 ment of the tongue portion 68 wherein it is firmly secured only along an opposite longitudinal side edge 68c to the vamp section 66 (as opposed to only along vamp section 64)

would also enjoy the benefits of the invention wherein there is little tendency to slip off to the side of the foot. The embodiment shown in FIGURES 6 through 10 is illustrative of a left shoe 52, as with the embodiment shown in FIGURES 1 through 5. The complementary right shoe is constructed in a substantially identical manner.

5 Referring now to FIGURE 11, a second alternate embodiment of footwear in accordance with the invention is illustrated and generally designated by the numeral 84. The footwear 84 is shown as a left shoe and is characterized as a full blucher type shoe with a sole 86, a forward upper or toe cap 88 and rear quarters 90 and 92 which are brought together to form a heel 94. The footwear 84 also includes elongated opposed
10 upper portions comprising medial and lateral vamp sections 96 and 97 which are constructed generally like the vamp sections for the footwear 12. However, instead of being split as in the footwear 12, vamp sections 96 and 97 are continuous one piece sections. Lacing eyelets 96a and 97a are formed along the upper edges of the vamp sections 96 and 97 for receiving conventional lacing (not shown). The footwear 84
15 includes a forward tongue portion 89, formed as an extension of or stitched to the toe cap or forward upper 88. The tongue portion 89 has a rearward transverse edge 89a and the forward tongue portion 89 may be constructed in a manner similar to the tongue portion 32 or the tongue portion 63.

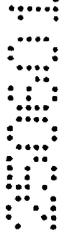
The footwear 84 also has a second and rearward tongue portion 98 having a
20 medial longitudinal edge 98a which firmly is attached to the medial vamp section 96 in a manner to prevent movement of the tongue portion toward the lateral side of the wearer's foot, preferably by conventional stitching 100. The tongue portion 98 has a forward transverse edge 98b which overlaps the rearward transverse edge 89a of the forward tongue portion 89 when the split tongue configuration of the footwear 84 is in its working
25 position, such as shown in FIGURE 11. Alternatively, edges 89a and 98b may be positioned adjacent to one another so as to meet rather than overlap. The rearward tongue portion 98 also has a longitudinal side edge 98c and a rear transverse edge 98d. The rearward tongue portion 98 may be constructed substantially identical to the rearward tongue portions 42 or 68, as desired. The tongue portion 98 as shown is not attached to the
30 vamp 97 along the edge 98c. By preferably attaching the tongue portion 98 only to the medial vamp section 96, in a manner as described hereinabove in connection with tongue

portions 68 and 42, slippage of the tongue portion 98 is substantially eliminated. As tongue portion 42 and tongue portion 68 may be firmly connected to a lateral vamp section, tongue portion 98 alternately may be firmly connected to lateral vamp section 97. Tongue portion 98 may be constructed in a manner similar to tongue portion 42 or tongue portion
5 68.



The footwear described herein may be constructed of conventional materials used for sport or athletic footwear, as well as for dress, outdoor or foul-weather footwear, while enjoying the advantages of the invention described above.
10

While the tongue for footwear of the present invention has been described in connection with preferred embodiments, it is not intended to limit the invention to the particular form set forth, but on the contrary, it is intended to cover such alternatives, modifications, and equivalents as may be included within the spirit and scope of the
15 invention as defined by the appended claims.



The reference to any prior art in this specification is not, and should not be taken as, an acknowledgment or any form of suggestion that such prior art forms part of the common general knowledge in Australia.
20

Throughout this specification and the claims which follow, unless the context requires otherwise, the word "comprise", and variations such as "comprises" and "comprising", will be understood to imply the inclusion of a stated integer or step or group of integers or steps but not the exclusion of any other integer or step or group of integers or
25 steps.



The claims defining the invention are as follows:

1. Footwear comprising
a sole,
5 a forward upper connected to said sole and forming a toe cap,
opposed vamp sections connected to said sole, whereby each of said opposed vamp
sections may be drawn toward each other to secure said footwear to a foot during use,
a forward tongue portion connected to said forward upper, and
a rearward tongue portion firmly connected to one vamp section of said opposed
10 vamp sections and adapted to overlie an instep of a foot disposed in said footwear without
slippage toward the lateral or medial side of a foot during use, wherein said tongue
portions are split such that said rearward tongue portion is independently separate from
said forward tongue portion, and wherein
said opposed vamp sections comprise a pair of opposed forward vamp sections and
15 a pair of opposed rearward vamp sections,
said forward tongue portion is adapted to be disposed under said opposed forward
vamp sections when said opposed forward vamp sections are secured to each other, and
said rearward tongue portion is adapted to be disposed under said opposed rearward
vamp sections when said opposed rearward vamp sections are secured to each other.
20
2. The footwear as claimed in Claim 1 wherein:
said rearward tongue portion is firmly connected permanently to one rearward
vamp section of said opposed rearward vamp sections.
- 25 3. The footwear as claimed in Claim 2 wherein:
said rearward tongue portion is firmly connected permanently to a medial rearward
vamp section of said opposed rearward vamp sections.
4. The footwear as claimed in Claim 1 wherein:
said rearward tongue portion is firmly connected replaceably to one rearward vamp
30 section of said opposed rearward vamp sections.



5. The footwear as claimed in Claim 4 wherein:
said rearward tongue portion is firmly connected replaceably to a medial rearward
vamp section of said opposed rearward vamp sections.

5 6. The footwear as claimed in Claim 1 wherein:
at least one of said tongue portions includes a pocket for receiving one of a
cushioning member and a saddle member in said pocket.

10 7. The footwear as claimed in Claim 6 wherein:
said pocket is at least partially occupied by said one of said cushioning member and
said saddle member.

15 8. The footwear as claimed in Claim 6 wherein:
said pocket includes an opening formed in one edge of said one tongue portion for
inserting and removing said one of said cushioning member and said saddle member.

20 9. The footwear as claimed in Claim 6 wherein:
said saddle member comprises a member operable to distribute pressure exerted on
a wearer's foot.

10. The footwear as claimed in Claim 6 wherein:
said one tongue portion includes closure means for releasably closing said pocket
to retain said one of said cushioning member and said saddle member in said pocket.

25 11. Footwear comprising
a sole,
a forward upper connected to said sole and forming a toe cap,
opposed vamp sections connected to said sole, whereby each of said opposed vamp
sections may be drawn toward each other to secure said footwear to a foot during use,
30 a forward tongue portion connected to said forward upper, and
a rearward tongue portion firmly connected to one vamp section of said opposed

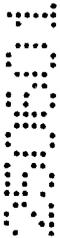


vamp sections and adapted to overlie an instep of a foot disposed in said footwear, without slippage toward the lateral or medial side of a foot during use, wherein said tongue portions are transversely split such that said rearward tongue portion is independently separate from said forward tongue portion, and wherein

5 said forward and said rearward tongue portions are adapted to be disposed under said opposed vamp sections when said opposed vamp sections are secured to each other.



10 12. The footwear as claimed in Claim 11 wherein:
 said opposed vamp sections comprise one pair of opposed vamp sections.



15 13. The footwear as claimed in Claim 12 wherein:
 said rearward tongue portion is firmly connected permanently to one vamp section of said opposed vamp sections.

20 14. The footwear as claimed in Claim 13 wherein:
 said rearward tongue portion is firmly connected permanently to a medial vamp section of said opposed vamp sections.

25 15. The footwear as claimed in Claim 12 wherein:
 said rearward tongue portion is firmly connected replaceably to one vamp section of said opposed vamp sections.

30 16. The footwear as claimed in Claim 15 wherein:
 said rearward tongue portion is firmly connected replaceably to a medial vamp section of said opposed vamp sections.

 17. The footwear as claimed in Claim 12 wherein:
 at least one of said tongue portions includes a pocket for receiving one of a cushioning member and a saddle member in said pocket.

 18. The footwear as claimed in Claim 17 wherein:



said pocket is at least partially occupied by said one of said cushioning member or said saddle member.

19. The footwear as claimed in Claim 17 wherein:

5 said pocket includes an opening formed in one edge of said one tongue portion for inserting and removing said one of said cushioning member and said saddle member.

20. The footwear as claimed in Claim 17 wherein:

10 said saddle member comprises a member operable to distribute pressure exerted on a wearer's foot.

21. The footwear as claimed in Claim 17 wherein:

15 said tongue portion includes means for releasably closing said pocket to retain said one of said cushioning member and said saddle member in said pocket.

22. The footwear as claimed in Claim 11 wherein:

said opposed vamp sections comprise a pair of opposed forward vamp sections and a pair of opposed rearward vamp sections.

20 23. The footwear as claimed in Claim 22 wherein:

said forward tongue portion is adapted to be disposed under said opposed forward vamp sections when said opposed forward vamp sections are secured to each other, and

said rearward tongue portion is adapted to be disposed under said opposed rearward vamp sections when said opposed rearward vamp sections are secured to each other.

25

24. The footwear as claimed in Claim 23 wherein:

said rearward tongue portion is firmly connected permanently to one rearward vamp section of said opposed rearward vamp sections.

30 25. The footwear as claimed in Claim 24 wherein:

said rearward tongue portion is firmly connected permanently to a medial rearward



vamp section of said opposed rearward vamp sections.

26. The footwear as claimed in Claim 23 wherein:
said rearward tongue portion is firmly connected replaceably to one rearward vamp
5 section of said opposed rearward vamp sections.

27. The footwear as claimed in Claim 26 wherein:
said rearward tongue portion is firmly connected replaceably to a medial rearward
vamp section of said opposed rearward vamp sections.

10 28. The footwear as claimed in Claim 23 wherein:
at least one of said tongue portions includes a pocket for receiving one of a
cushioning member and a saddle member in said pocket.

15 29. The footwear as claimed in Claim 28 wherein:
said pocket is at least partially occupied by said one of said cushioning member or
said saddle member.

20 30. The footwear as claimed in Claim 28 wherein:
said pocket includes an opening formed in one edge of said one tongue portion for
inserting and removing said one of said cushioning member and said saddle member.

25 31. The footwear as claimed in Claim 28 wherein:
said saddle member comprises a member operable to distribute pressure exerted on
a wearer's foot.

32. The footwear as claimed in Claim 28 wherein:
said one tongue portion includes means for releasably closing said pocket to retain
said one of said cushioning member and said saddle member in said pocket.



33. Footwear comprising
a sole,
a forward upper connected to said sole and forming a toe cap,
opposed vamp sections connected to said sole, whereby each of said opposed vamp
5 sections may be drawn toward each other to secure said footwear to a foot during use,
a forward tongue portion integral with said forward upper, and
a rearward tongue portion firmly connected to one vamp section of said opposed
vamp sections and adapted to overlie an instep of a foot disposed in said footwear without
slippage toward the lateral or medial side of a foot during use, wherein said tongue
10 portions are transversely split such that said rearward tongue portion is independently
separate from said forward tongue portion.

34. The footwear as claimed in Claim 33 wherein:
said rearward tongue portion is adapted to be disposed under said opposed vamp
15 sections when said opposed vamp sections are secured to each other.

35. The footwear as claimed in Claim 34 wherein:
said rearward tongue portion is firmly connected permanently to one vamp section
of said opposed vamp sections.

20 36. The footwear as claimed in Claim 35 wherein:
said rearward tongue portion is firmly connected permanently to a medial vamp
section of said opposed vamp sections.

25 37. The footwear as claimed in Claim 34 wherein:
said rearward tongue portion is firmly connected replaceably to one vamp section
of said opposed vamp sections.

38. The footwear as claimed in Claim 37 wherein:
said rearward tongue portion is firmly connected replaceably to a medial vamp
section of said opposed vamp sections.



39. The footwear as claimed in Claim 34 wherein:
at least one of said tongue portions includes a pocket for receiving one of a cushioning member and a saddle member in said pocket.

5 40. The footwear as claimed in Claim 39 wherein:
said pocket is at least partially occupied by said one of said cushioning member or said saddle member.

10 41. The footwear as claimed in Claim 39 wherein:
said pocket includes an opening formed in one edge of said one tongue portion for inserting and removing said one of said cushioning member and said saddle member.

15 42. The footwear as claimed in Claim 39 wherein:
said saddle member comprises a member operable to distribute pressure exerted on a wearer's foot.

20 43. The footwear as claimed in Claim 39 wherein:
said one tongue portion includes means for releasably closing said pocket to retain said one of said cushioning member and said saddle member in said pocket.

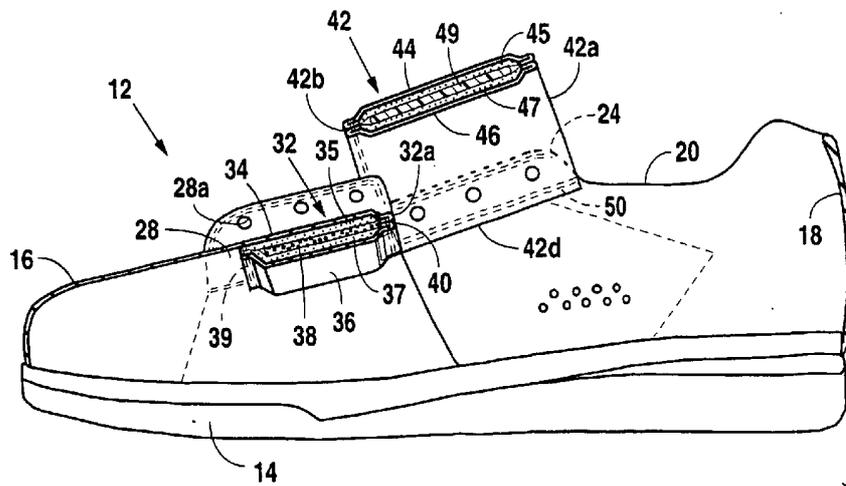
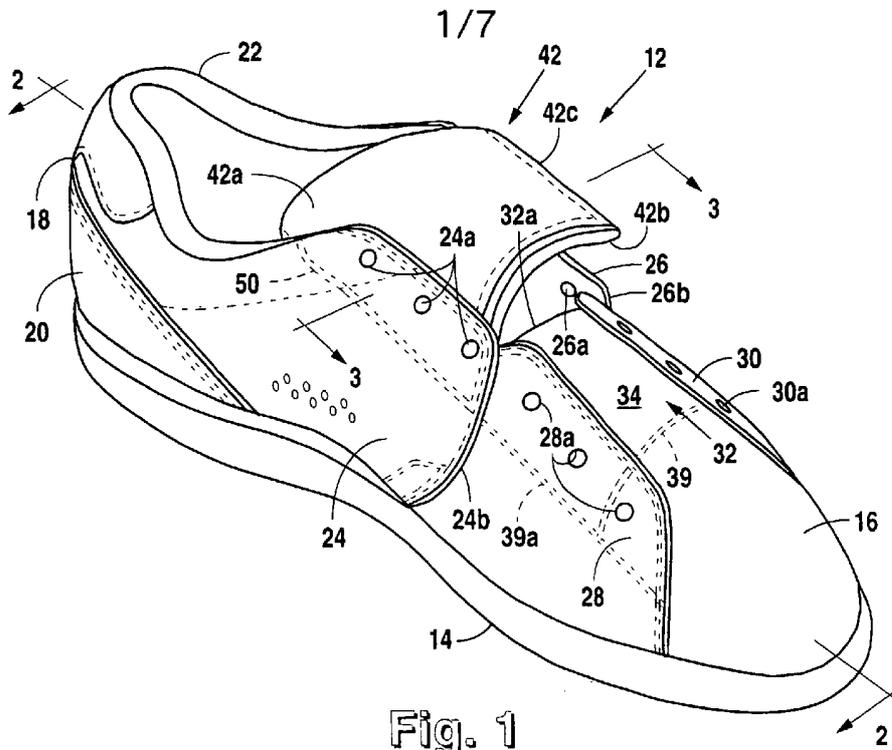
44. Footwear substantially as hereinbefore described with reference to the accompanying drawings.

DATED this 8th day of June, 2001

25 **In-Stride, Inc.**

By **DAVIES COLLISON CAVE**
Patent Attorneys for the applicant





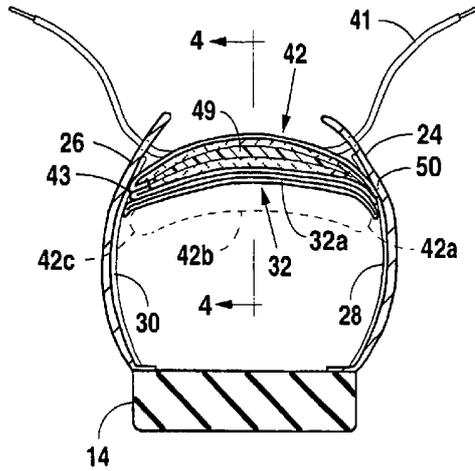


Fig. 3

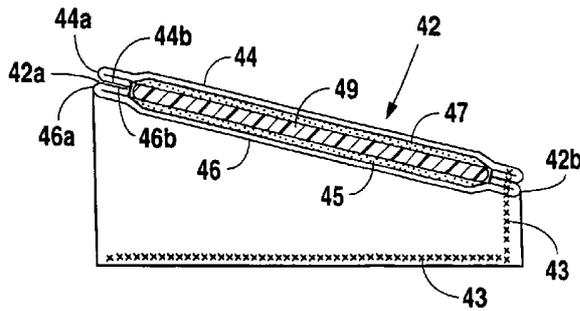


Fig. 4

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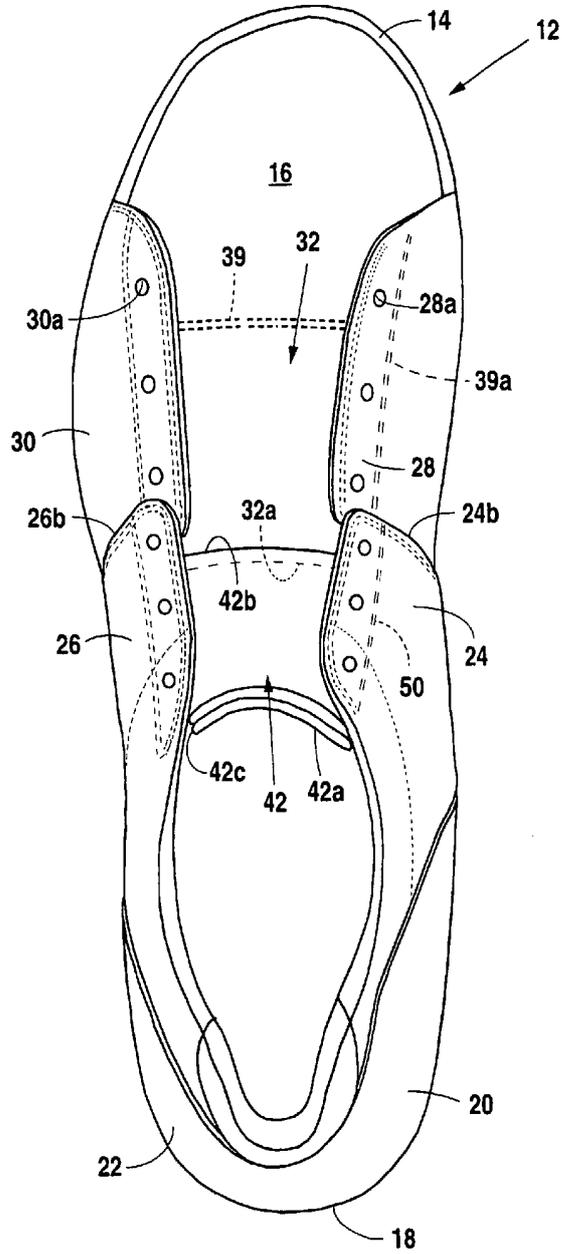


Fig. 5

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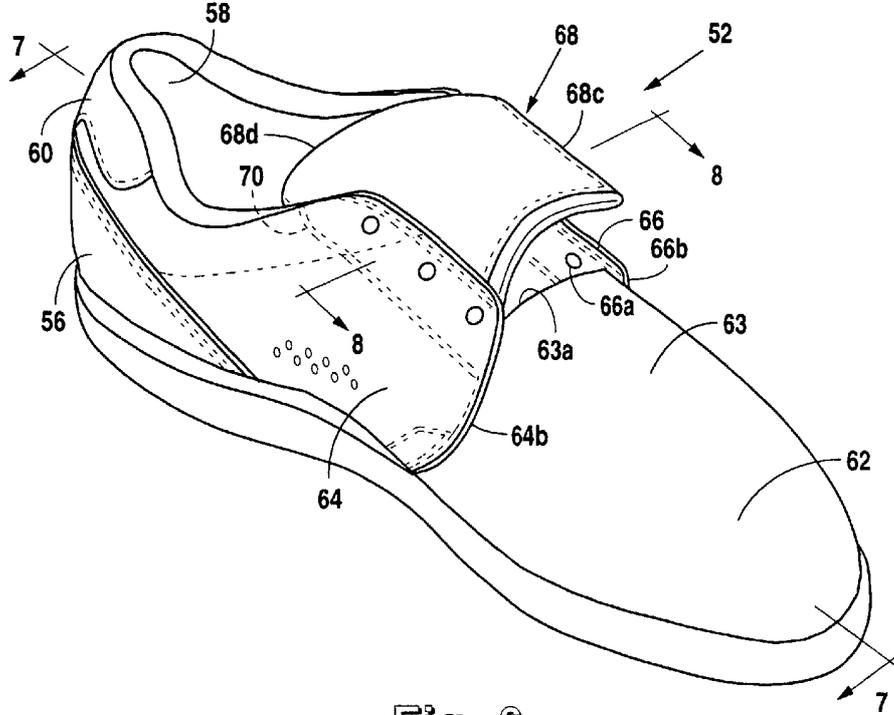


Fig. 6

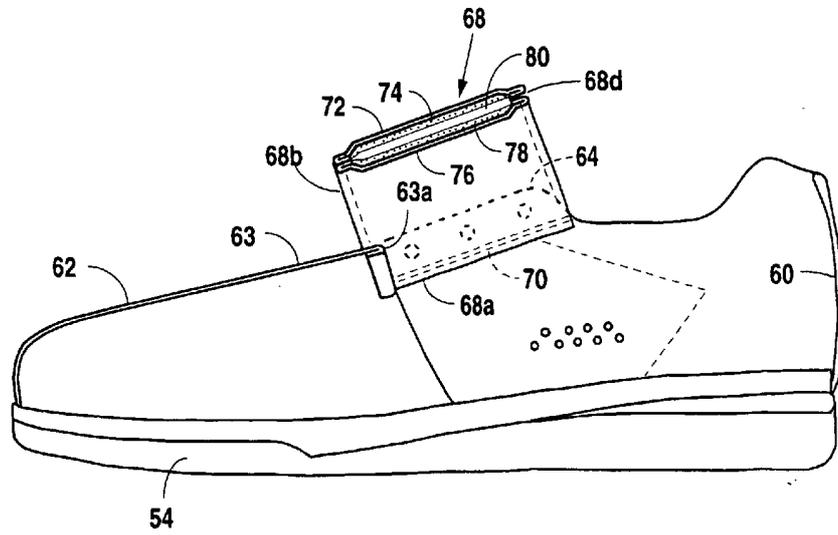


Fig. 7

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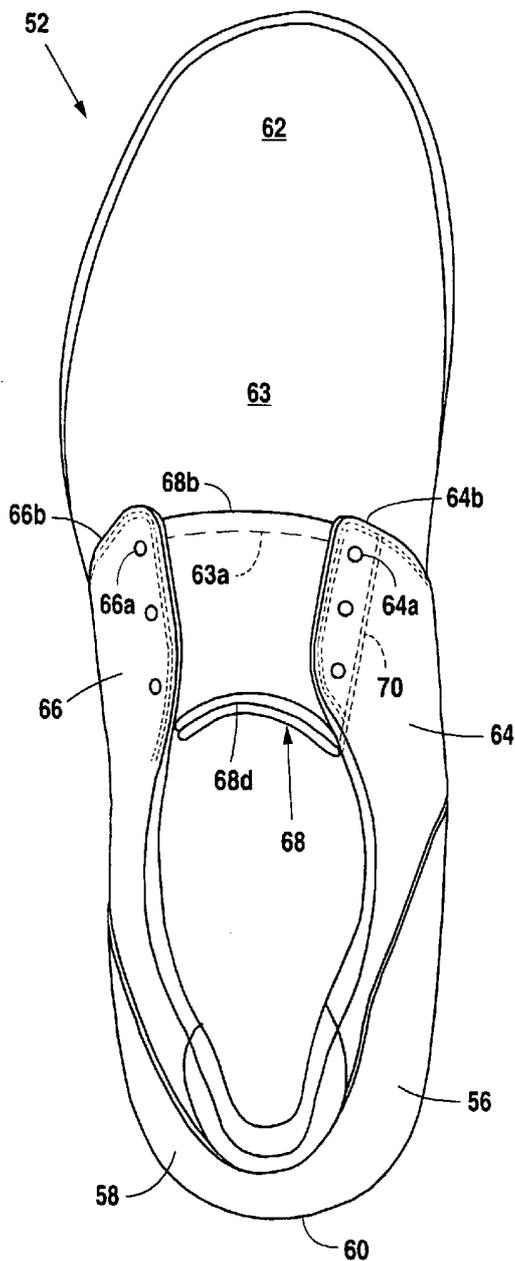


Fig. 10

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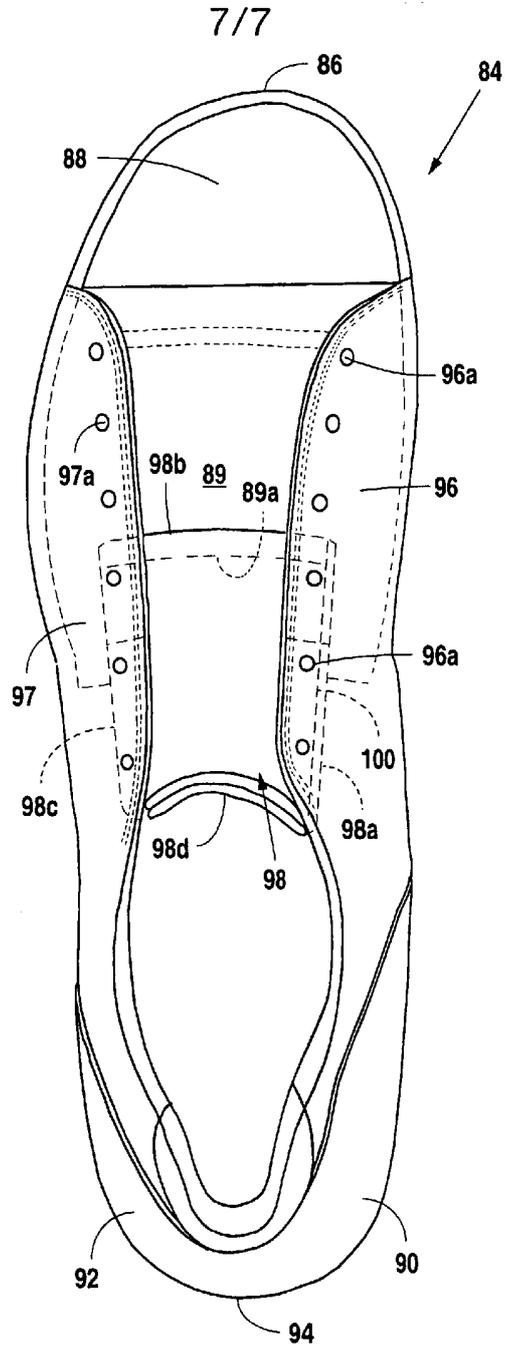


Fig. 11

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