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(54) **Inner lining shoe for ski boots having a one piece tongue assembly**

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Description

The present invention relates to an inner lining shoe to be put on within a rigid boot, such as a ski-boot with fore entry, in which the standard tongue is integrally formed with part of the upper of the lining shoe.

It is known that the lining shoes to be used together with ski-boots are provided at their leg portion with tongues having the purpose of shielding the leg from a direct contact with the rigid shell of the boot.

From DE-U-8113635 there is known an inner lining shoe for ski boots having a tongue assembly which is integrally formed with the upper of the shoe, it being delimited by side slits in the upper.

EP-A-0259720 discloses an inner lining shoe for ski-boots having a tongue assembly wherein the upper is fastened at the lower perimetral edge thereof to the sole of the shoe.

Usually the tongues provided in the lining shoes to be inserted into a ski-boot are either fastened to the upper, for example by sewing, or secured in a floating manner, namely anchored to the upper by means permitting a sliding motion thereof in a longitudinal direction with respect to said upper in order to permit said tongue to be positioned in the most adequate manner with respect to the upper in order to fully fit the foot to the shoe and thus to the boot.

Said means for anchoring the tongue to the upper consist of a sewing or a pin-like member slidable within a groove of the upper and may cause thickenings or greater encumbrances just at the level of the foot back wherein said thickenings can create uncomfortable situation which are difficultly bearable especially in sportwear, such as the ski-boots, in which said situations are to be avoided as much as possible.

In order to eliminate these drawbacks it has been thought to provide an improved inner lining shoe wherein the tongue is made integrally with part of the upper so as to prevent a thickening due to sewings or to slidable anchoring means from occurring at the foot back level, at which the tolerance spaces between the foot and the rigid shell of the boot are minimum and the part of the upper integrally formed with said tongue is an extension of the tongue itself shaped as a fore part forming the toe portion of the shoe which can be connected to the remainder of the upper by means of sewing stitches remote from the foot back, i.e. at positions in which a possible sewing does not cause any relevant drawback.

More preferably, said tongue is integrally formed with the part forming the whole toe portion of the upper with a peripheral lower edge which can be anchored and secured to the sole of the

shoe and two rear sides which can be sewed to the remaining part of the upper.

The features and advantages of the present invention shall more clearly appear from the following description of a preferred embodiment thereof, not to be construed in a limiting sense, with reference to the accompanying drawings, in which:

Fig.1 is a perspective view of a wearable shoe comprising a tongue assembly according to the present invention;

Fig.2 is a cross-section view of the same lining shoe particularly showing the tongue assembly of the present invention;

Fig.3 is a perspective view of a tongue assembly according to the present invention shown in a condition removed from the remainder of the shoe;

Fig.4 is a perspective view of the remaining part of the shoe adapted for the connection to the tongue assembly of fig.3.

Referring to the above figures; the shoe 10 comprises an integrally formed tongue assembly according to the present invention consisting of the proper tongue 14 joined to a fore portion 16 of the upper by suitable means such as for example the sewing 18 (better viewable in fig.3). The upper is also formed by a remaining rear portion 20 including a leg part 22 and is connected to a sole 24 by per se known means, such as cementing or thermowelding of parts containing adhesive means, by melting and solidifying again. Said integrally formed tongue assembly 12 is provided in the fore part 16 of the upper with side edges, the edge 26 of which can be seen, which are joined to corresponding fore edges 28 and 32 of the rear part 20 of the upper by means of sewings such as the sewing 34 shown in fig.1 and the sewing 36 shown in fig.2. The aforesaid fore portion 16 of the upper is also provided with a lower peripheral edge 38 which can be coupled with a peripheral edge 40 of said sole 24 and can be joined thereto by known means, such as cementing or thermowelding.

Owing to obvious manufacturing reasons the fore portion 16 of the upper is provided with sewings 42 and 44 permitting it to be given the desired shape and function.

For sake of description completeness an elastic ribbon 46 is shown having the purpose of causing the shoe and particularly the upper thereof to adhere to the internally fitted foot.

A particular advantage of a shoe provided with a tongue assembly according to the present invention is the reduction of the number of spare parts to be stored, since for the series manufacturing of these shoes it is sufficient to have available one type of tongue assembly for each shoe size and one type of shoe remaining part every two shoe sizes whereby the number of types of shoe remain-

ing parts to be stored is reduced to one half. If consideration is paid to the fact that said shoe remaining parts are the greater part of the shoe the storage economy which can be attained is evident.

The above description relates to a specific embodiment of the present invention which is not to be interpreted in a limiting sense and it will be evident that substituting equivalent parts shall be conceivable for those skilled in this field upon reading the above description. For example the sewings 34 and 36 might be substituted for by cementing or thermowelding joints and the connection between the peripheral edges 38 and 40 might be effected by sewing, as it is used in the shoe manufacturing technology.

Claims

1. Inner lining shoes for ski-boots having a tongue assembly characterized in that said tongue assembly (12) is formed by a proper tongue (14) integrally formed with a part (16) of the upper, in order to avoid thickenings at the foot back level, the part (16) of the upper integral with said tongue (14) to form said tongue assembly (12) being an extension of the same tongue (14) consisting of a fore part adapted to constitute the portion of the upper being the toe of the shoe (10), said extension being connectable to the remaining part (20) of the upper by fastening means (34, 36) at positions remote from the back of the foot.
2. Inner lining shoe according to claim 1, characterized in that said fastening means (34, 36), consist of sewing, cementing or thermowelding means.
3. Inner lining shoe according to claim 1, characterized in that said tongue assembly (12), consisting of the tongue (14) integral with the part (16) forming the toe part of the upper, comprises a lower peripheral edge (38) which can be anchored and secured to a sole (24) of the shoe and two rear sides which can be sewed to the remaining part (20) of the upper.
4. Inner lining shoe according to claim 3, characterized in that the fore part (16) of the upper is anchored to the sole (24) by cementing, thermowelding or sewing.

Patentansprüche

1. Innenauskleidungsschuh für Skistiefel mit einem Zungengebilde,
dadurch gekennzeichnet,
daß das Zungengebilde (12) von einer eigentli-

chen Zunge (14) gebildet ist, welche integral mit einem Teil (16) des Schafts ausgebildet ist, um Verdickungen in Höhe des Fußrückens zu vermeiden, wobei der zur Bildung des Zungengebildes (12) mit der Zunge (14) integrale Teil (16) des Schafts ein Fortsatz selbiger Zunge (14) ist, welcher aus einem Vorderteil besteht, das zur Bildung desjenigen Abschnitts des Schafts ausgeführt ist, der die Spitze des Schuhs (10) ist, wobei der Fortsatz mit dem restlichen Teil (20) des Schafts durch Befestigungsmittel (34, 36) an vom Fußrücken fernen Stellen verbindbar ist.

2. Innenauskleidungsschuh nach Anspruch 1, dadurch gekennzeichnet, daß die Befestigungsmittel (34, 36) aus Näh-, Klebe- oder Thermoschweißmitteln bestehen.
3. Innenauskleidungsschuh nach Anspruch 1, dadurch gekennzeichnet, daß das Zungengebilde (12), welches aus der mit dem Teil (16), welcher den Spitzenteil des Schafts bildet, integralen Zunge (14) besteht, einen unteren Begrenzungsrand (38) umfaßt, welcher an einer Sohle (24) des Schuhs verankert und gesichert werden kann, sowie zwei hintere Seiten umfaßt, welche an den restlichen Teil (20) des Schafts angenäht werden können.
4. Innenauskleidungsschuh nach Anspruch 3, dadurch gekennzeichnet, daß der Vorderteil (16) des Schafts an der Sohle (24) durch Kleben, Thermoschweißen oder Nähen verankert ist.

Revendications

1. Chaussures intérieures pour chaussures de ski équipées d'un assemblage de languette caractérisées en ce que cet assemblage de languette (12) est constitué par une languette proprement dite (14) conformée intégralement avec une portion (16) du dessus de la chaussure afin d'éviter des sur-épaisseurs au niveau de l'arrière du pied, la partie (16) du dessus de la chaussure solidaire de ladite languette (14) pour constituer ledit assemblage de languette (12) étant un prolongement de la même languette (14) constituant en une partie avant adaptée pour constituer la portion du dessus de la chaussure qui est la pointe de la chaussure (10), ladite extension étant fixable à la partie restante (20) du dessus de la chaussure par des moyens de fixation (34, 36) en des positions éloignées de l'arrière du pied.

2. Chaussure intérieure selon la revendication 1 caractérisée en ce que les dits moyens de fixation (34, 36) consistent en la couture, le collage ou la thermosoudure. 5
3. Chaussure intérieure selon la revendication 1 caractérisée en ce que ledit assemblage de languette (12) consistant en la languette (14) solidaire de la partie (16) constituant la pointe du dessus de la chaussure comprend un bord périphérique inférieur (38) qui peut être ancré et fixé à une semelle (24) de la chaussure et deux bords arrières latéraux qui peuvent être cousus à la partie restante (20) du haut de la chaussure. 10 15
4. Chaussure intérieure selon la revendication 3 caractérisée en ce que la portion avant (16) du dessus de la chaussure est ancrée à la semelle (24) par collage, thermosoudure ou couture. 20
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