INTERCHANGEABLE SHOE HEELS

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Fig. 1

Fig. 2

Fig. 3

Fig. 4

Fig. 5

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By

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This invention relates to new and useful improvements in interchangeable shoe heels. This application presents certain improvements in the subject matter of my earlier application, Serial No. 33,085, filed June 15, 1946, for Interchangeable Heels and Heel Sections, now Patent Number 2,542,078, dated February 20, 1951.

An object of the present invention is to provide an improved heel construction of the type including a heel base and a readily applicable and replaceable lower heel portion below called the wear heel and also of the type wherein the heel base and the wear heel are provided with formations and/or additions for interlocking.

A further object is to provide a heel construction as above in which, with said formations inclusive of ribs of dovetail cross-section, there is provided a novel and valuable means for preventing any sliding of a rib on a wear heel relative to a rib on the heel base.

As will be appreciated from what follows, the present invention is characterized by simplicity of construction, reliability of the interlocking means and of the anti-shift means, and a combination of parts which may be manufactured and sold at a low price.

For further comprehension of the invention, and of the objects and advantages thereof, reference will be had to the following description and accompanying drawings, and to the appended claims in which the various novel features of the invention are more particularly set forth.

In the accompanying drawings forming a material part of this disclosure:

Fig. 1 is a fragmentary perspective view of a shoe provided with a heel structure made in accordance with the present invention.

Fig. 2 is a bottom plan view thereof, with the wear heel omitted.

Fig. 3 is a top plan view of the wear heel.

Fig. 4 is an elevational view looking at the breast of the heel structure of the present invention.

Fig. 5 is a view similar to Fig. 4, but showing the gate plates in their open position.

In accordance with the present invention, there is shown a shoe 30 permanently carrying a heel base 31. At its bottom the heel base has a plurality of straight fore and aft extending depending ribs 32 alternating with grooves 33, said ribs and grooves being of dovetail cross-section. The wear heel 34 is provided with a plurality of like shaped and matchingly arranged ribs 35 and grooves 36. Said wear heel, for a reason to be appreciated in a moment, is for being slidably mounted on the heel base 31 by applying the rounded end of the wear heel to the breast 30 of the heel base.

The anti-shift means for this heel structure is comprised in part of a T-head rib enlargement 37 at the lateral center of the breast of the wear heel, and a matching recess 38 at the breast of the heel base, this recess at opposite ends extending into the two central ribs 32 of the wear heel.

The arrangement may be reversed; that is, the enlargement 37 or any other suitable enlargement corresponding in function to the enlargement 37 may be on the heel base, and such a recess as the recess 38 or any other recess for suitably coating with such enlargement may be in the wear heel. Said anti-shift means further includes a provision for preventing shift of the wear heel in a forward direction.

The means for preventing forward shift of the wear heel 34 comprises a pair of gate plates 83 and 84, these pivotally mounted near opposite sides of the breast of the heel base 31 on the centrally vertically arranged length of a staple 65 driven at its two end prongs into the heel base.

The plates 83 and 84, following addition of the wear heel 34 to the heel base 31, are overlapped as shown, and connected by cradling a finger extension 86 on the free end of the plate 84 in a hook 83* struck up from the plate 83. The plates 83 and 84 are downwardly projected along portions of their lengths, so that bottom portions of said plates will lie in front of the breast of the wear heel 34 when the plates are interconnected at the hook 83*.

While I have illustrated and described the preferred embodiment of my invention, it is to be understood that I do not limit myself to the precise construction herein disclosed and the right is reserved to all changes and modifications coming within the scope of the invention as defined in the appended claims.

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

1. In a shoe having a renewable wear heel slidably mounted on a heel base for disengagement from the heel base by sliding movement in a forward direction, means on the heel base for restraining the wear heel against sliding movements in a forward direction relative to the heel base, comprising opposed overlapping plates extended along the breast of the heel base, said plates having their outer ends pivoted to the breast of the heel base at the outer edges thereof, and means releasably connecting said plates to-
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3. In a shoe having a renewable wear heel 5 slidably mounted on a heel base for disengagement from the heel base by sliding movement in a forward direction, means on the heel base for restraining the wear heel against sliding movements in a forward direction relative to the heel base, comprising opposed overlapping plates extended along the breast of the heel base, said plates having their outer ends pivoted to the breast of the heel base at the outer edges thereof, and means releasably connecting said plates together inward of their pivoted outer ends, said plates inward of their pivoted outer ends having depending bottom portions projecting across the breast of the wear heel, said connecting means comprising a hook formed on one of said plates, and a finger extension on the free end of the other of said plates and engaged in said hook.

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