HEEL HAVING INTERCHANGEABLE SUPPORT PORTION

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ABSTRACT OF THE DISCLOSURE

A heel for shoes resembling the conventional heel having a flaring upper section and narrower support section but characterized in that the support sections are detachable and interchangeable. The flaring upper section has a rigid metallic cylinder extending into a registering receiving tube in the support section. The tube projects into a registering recess in the upper section. The lower section includes the conventional "lift."
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In FIG. 5, upper section 46 has an elongated opening 47 in which a tube 48, having an enlarged top 49, is inserted and that is preferably made of metal. It is interiorly threaded and screw-threadedly receives at the bottom an exteriorly threaded connecting pin 50. A flange 51 terminates said screw-threaded portion. Lower section 52 has an elongated opening 54 into which the lower part of pin 50 extends whereby said sections 46 and 52 are firmly connected.

In FIG. 6, upper section 55 is similar to that shown in FIG. 3, having an elongated opening 56 to receive a connector member or pin 57, having a projecting lug 58. Said member 57 has an upper hollow portion 59 that is interiorly screw-threaded and it receives a screw-threaded cap 60, the head of which freely enters an upper, enlarged opening 61 in said body. At the lower end of said body 55, a flat recess 62 is provided to receive said lug 58. The latter prevents rotation of said connector member 57. Lower section 64 has an elongated opening 65 into which said pin 57 enters, being retained therein by a press fit. Section 64 also has a recess 66a therein communicating with said recess 62 to receive said lug 58.

In FIG. 8 upper section 66 has an elongated opening 68 therein. Lower section 70 has an elongated opening 72 to receive a connector pin 74 that extends into it from said body opening 68 and which has a reduced end 75. Section 70 also has a lateral opening 76 extending from the outer side to and communicating with said opening 72. Said pin 74 has a flat recess 78 communicating with said opening 72. A lock screw 80 extends through said opening 76 and into said recess 78 to bear against and removably retain said connector pin 74 in said section 70 and against any possible rotative movement.

In FIG. 9, upper section 82 has an elongated, screw-threaded opening 84 therethrough. An elongated screw 86, having a reduced end 87, extends into said opening and screw-threadedly connects therein. Lower section 88 has an elongated opening 90 into which part of said screw 86 extends.

In FIG. 10 connector pin 14 is shown as having a knurled surface portion 94.

In FIG. 11 connector pin 74 is shown having a knurled surface portion 98.

In FIGS. 12 and 13, the upper section 101 is shown detached from the lower section 102. The connector pin 103 with its reduced end 104 is held in section 101 as shown in FIG. 2. Lower section 102 has a tubular section or neck 105 which registers with annular recess 106 in the lower end of section 101. The lower part of pin 103 extends into bore 107 in lower section 102 to the area where the wearing member or lift 108 is incorporated.

I claim:

1. A heel resembling the shape of a conventional, unitary heel in its external appearance, comprising in detachable combination an upper section 101 adapted to be mounted on the heel portion of a shoe, and having an annular recess 106 in its bottom end and a lower section 102 which has an elongated recess 107, and a neck 105 which extends beyond lower section 102 and is registerable with recess 106; said lower section 102 including an integral lift portion 108 at its extremity, said upper section 101 containing firmly embedded elongated rigid member 103 which extends beyond said upper section 101 and is adapted to be detachably and firmly inserted into said recess 107; the height of said lower section 102 being substantially greater than the height of said lift portion 108.

2. The heel of claim 1 wherein said neck 105 and recess 106 both have a non-circular cross section, providing for a keyed position.

References Cited

UNITED STATES PATENTS


FOREIGN PATENTS


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