Jan. 23, 1962 J. MAUNOURY 3,017,706

HEEL FOR FOOTWEAR

Filed Dec. 8, 1959

Fig: 1

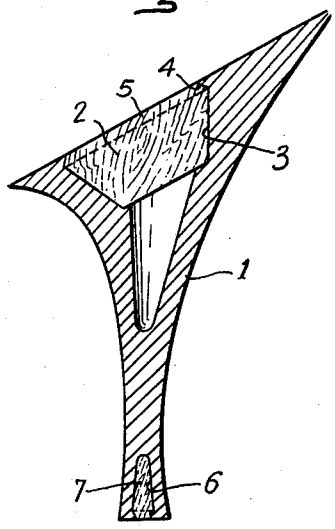


Fig: 4

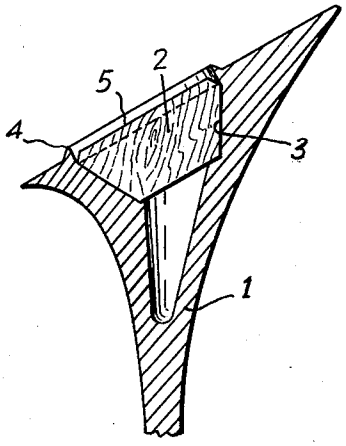


Fig: 5

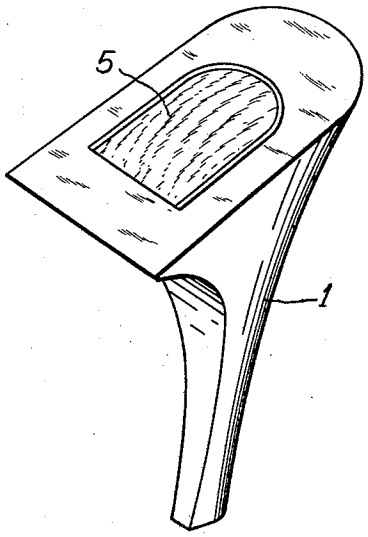


Fig: 2

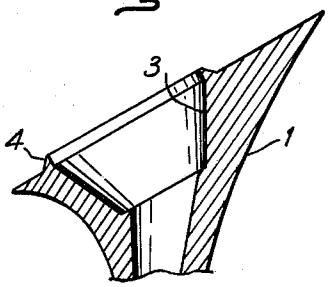
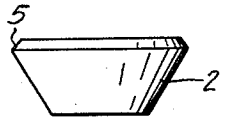


Fig: 3



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HEEL FOR FOOTWEAR

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3 Claims. (Cl. 36—34)

The present invention relates to heels for footwear, and more particularly to high heels for ladies shoes.

The invention is further concerned with the type of heel which is composed of two parts, an outer part of, for example, light metal of which the upper portion is recessed and a plug of a softer material such as wood for the recess. These two parts are, according to the invention, secured together and the plug of wood is secured to the sole of a shoe so as to fix the heel assembly on the shoe.

One of the principal difficulties met within the fabrication of these heels resides in the obtaining of a satisfactory connection between the metal and the wood. This connection has been previously effected by gluing, or by complicated assemblies which are expensive to realize and which do not always provide an entirely satisfactory securing.

An object of the invention is to provide an improved heel of the type described which avoids the deficiencies of known heels.

For this purpose, according to the invention, the edge of the aforenoted recess is bounded, at least in part, by a rim which is folded against the plug to lock it in.

The mounting of such a heel is extremely simple and economical. Further, it insures a very strong connection between the two parts of the assembly.

The invention also is characterized by the following features:

(*a*) The recess is in the form of a truncated cone, with or without a circular base, the cone being inverted.

(*b*) At the edge of the recess is located an angular rim slightly raised above the upper face of the associated part, so formed that a force employed for pressing on the plug may also be used to collapse the rim against the plug.

(*c*) The periphery of the upper edge of the plug has an inclined portion against which lodges the rim.

(*d*) The lower extremity of the metal piece has another recess adapted to receive a wood part adapted to receive a lift.

In the drawing:

FIG. 1 is a vertical section of a heel provided according to a preferred embodiment of the invention;

FIG. 2 shows the upper portion of the metal part of the heel before the plug is placed in position;

FIG. 3 shows, in elevation, the plug before the same is inserted into the metal part;

FIG. 4 is a view corresponding to FIG. 1, partially broken away, showing the heel prior to finishing; and

FIG. 5 is a perspective view of the heel of FIG. 1.

The heel shown in the drawing is composed of an outer part 1 and a plug 2. The outer part is of metal and is preferably an aluminum alloy. It is provided with a conical recess 3, of inverted truncated shape, into which is inserted the plug 2 which has a corresponding shape. The plug is of softer material such as, for example, wood to provide for subsequently securing the heel assemblies to the associated shoe.

The edge or rim 4 of the recess 3 is inclined and projects from the upper face of the metal part 1. The upper part 5 of plug 2 is bevelled.

When the plug is inserted into the recess, the edge 4 is pressed against the part 5 and there is obtained an extremely good securing together of the two parts. This operation is a very simple and rapid operation, and consequently, is very economical.

The lower end of the metal part 1 has a recess 6 in which is secured, by a similar operation, a wood peg 7 which serves for a subsequent mounting of a lift.

It will be understood that the invention is not limited to example described above as numerous modifications will be obvious to those skilled in the art without any departure from the scope of the invention.

I claim:

1. A heel arrangement for a shoe comprising an outer metallic heel part provided with an outwardly opening recess, a plug of relatively softer material in said recess, and rim means integral with said heel part and distributed about the entire periphery of said recess, said rim means engaging said plug and constituting the sole essential means to retain said plug in said recess.

2. An arrangement as claimed in claim 1 wherein said plug includes an outer tapered edge portion against which said rim means is intimately engaged.

3. An arrangement as claimed in claim 2 wherein said recess opens upwardly and said plug constitutes a means for connecting said arrangement to a shoe.

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