

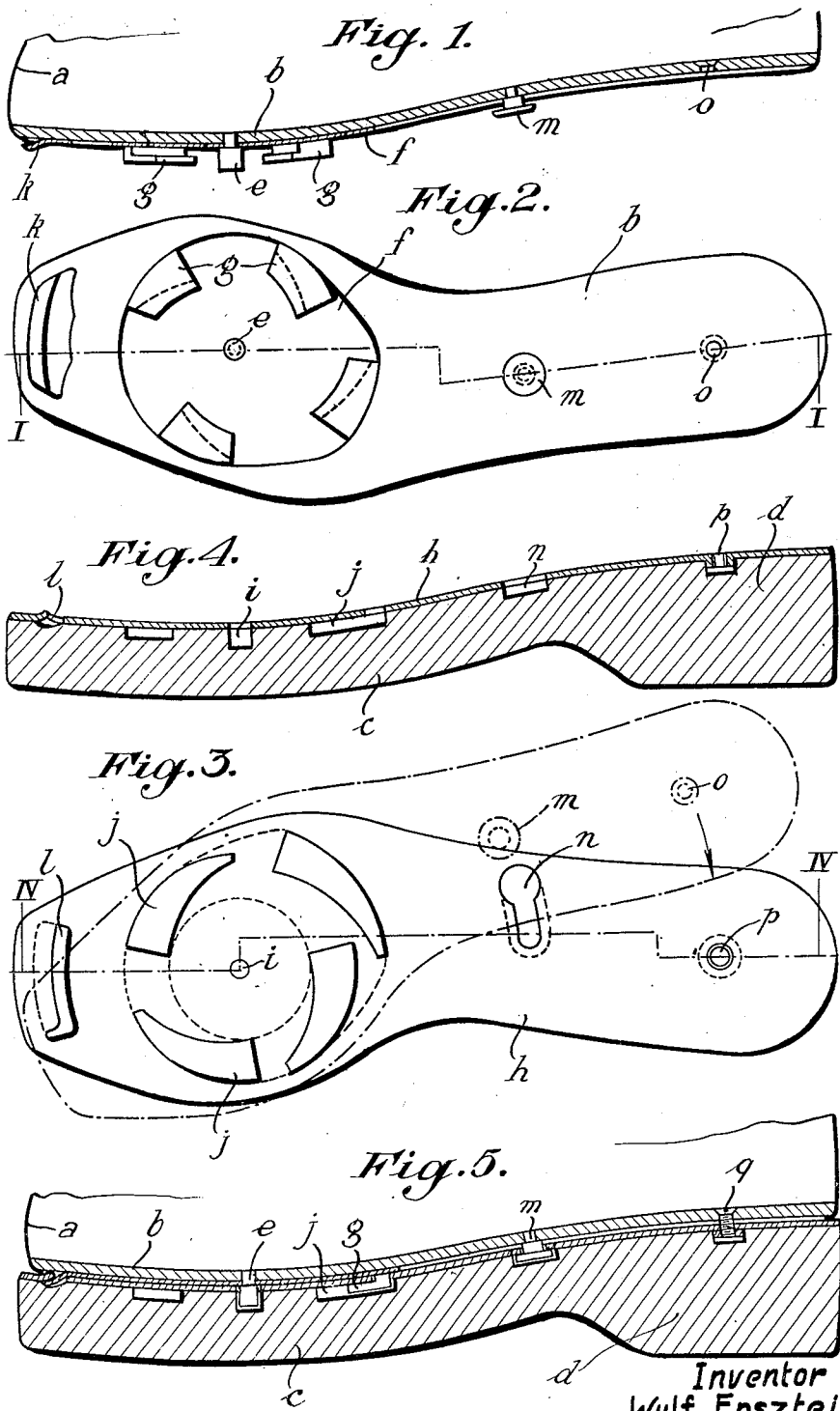
Nov. 7, 1950

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2,528,951

FOOTWEAR WITH A REMOVABLE SOLE

Filed Sept. 8, 1948



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AGENTS

UNITED STATES PATENT OFFICE

2,528,951

FOOTWEAR WITH A REMOVABLE SOLE

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Application September 8, 1948, Serial No. 48,193
In Belgium November 27, 1947

2 Claims. (Cl. 36-15)

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The present invention has for its object to provide a new footwear which, on the one hand, avoids the necessity of using complicated and costly machines and, on the other hand, produces footwear having various advantages, notably that of having an easily interchangeable sole.

According to the present invention the upper part of the footwear comprising upper carried on the insole is manufactured separately from the lower part comprising the sole and the heel and each of these parts, is provided at the sole and at the heel with means of attachment whereby the lower part can be fixed to the upper part in a detachable manner.

Thus not only is the need for the machines usually employed to sew or fix the sole to the upper rendered unnecessary, but the replacement of the sole becomes very simple and can be easily carried out by the wearer himself. The latter can, at will, for example according to the season or fashion, adapt different soles or lower parts to the same upper, or different uppers to the same lower part. When it is necessary to repair one of the parts, the footwear is not out of use since a replacement of the part to be repaired by a new part can be done instantaneously. The invention also gives the possibility of using in the manufacture of footwear, materials which up to the present have not been capable of use on the ground that they do not lend themselves to assembly by the usual methods (nails, sewing or glue).

On the attached drawings which show, by way of example, two embodiments of the present invention,

Figures 1 and 2 show a partial section and an underplan view of the upper part of the footwear and its means of assembly.

Figures 3 and 4 show by a plan view and a section the lower part of this footwear, indicating in Figure 3 the movement required to assemble the two parts; the section of Figure 4 being taken along the broken line IV-IV of Figure 3.

Figure 5 shows, in partial section, the same footwear assembled.

In the embodiment shown in Figures 1 to 5 the upper part comprising the upper *a* and the first sole *b* and the lower part comprising the sole *c* and the heel *d* are provided with means of assembly, the engagement and disengagement of which are effected by applying a relative pivotal movement to the two parts.

To this end the insole *b* is provided with a pivot *e* and carries a plate *f* provided with eccentric hooks *g* whilst the sole *c*, reinforced by a plate *h*, has a hole *i* to receive the pivot *e* and eccentric slots *j* in which the hooks *g* engage when there is imparted to one of the parts, placed on the other, a rotary movement as indicated in Figure 3. This same movement engages a lip *k* on the first sole in a slot *l* in the plate *h* and a button *m* on the first sole in a keyhole slot *n* in the lower part and brings a screw hole *o* in the

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first sole *b* into register with a threaded hole *p* provided in the heel *d* in order to enable the two parts to be definitely connected together by means of a screw *q*.

In order to detach the two parts it is sufficient to unscrew this screw and to turn one part with respect to the other in the opposite direction.

The sole may be provided around its outer edge with water tight joints to prevent the entrance of moisture.

It will be obvious that modifications can be made in the means of attachment without departing from the scope of the invention. It is important, however, that these means be disposed suitably, that is to say on the one hand on the sole, and on the other hand on the heel in such a manner that the lower part may be made of materials having the suppleness and the flexibility required for quality of footwear, and that moreover perfect contact be maintained between the two parts just as if they were sewn or nailed in the usual manner.

The lower part can also be made in two parts, the sole and the heel then being independently fixed to the upper part.

I claim:

1. Footwear having an upper part comprising an upper and an insole secured together, a lower part comprising a sole and a heel secured together, and means of attachment for detachably connecting said parts together, said means comprising eccentric hooks on the sole portion of one of said parts, co-operating slots on the sole portion of the other of said parts, and fixing means comprising co-operating threaded members on the heel portions of both said parts.

2. Footwear having an upper part comprising an upper and an insole, a lower part comprising a sole and a heel, and means of attachment for detachably connecting said parts together, said means comprising eccentric hooks arranged spiral fashion around a center and the sole portion of one of said parts, co-operating slots similarly arranged on the sole portion of the other of said parts, mutually co-operating abutment members near the tip of both said sole portions, and fixing means comprising co-operating threaded members on the heel portions of both said parts.

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