

J. J. STRITZEL.
 COMPOUND CUSHION HEEL.
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1,106,985.

Patented Aug. 11, 1914.

Fig. 1.

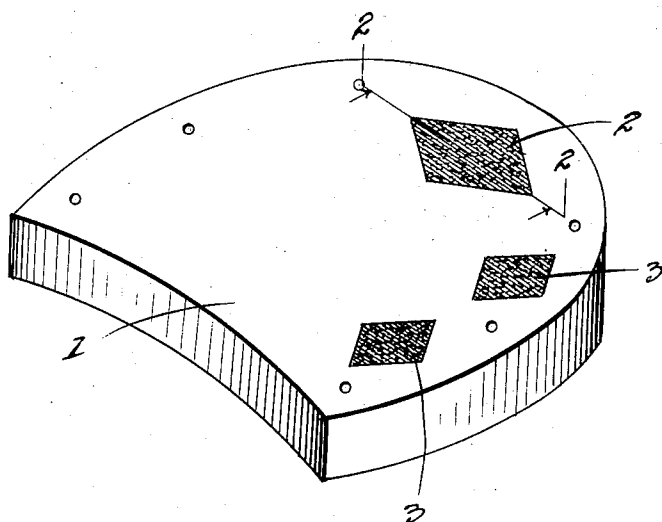
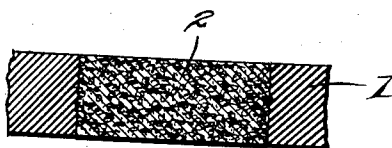


Fig. 2.



Witnesses

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UNITED STATES PATENT OFFICE.

JOHN J. STRITZEL, OF ELMA, IOWA.

COMPOUND CUSHION-HEEL.

1,106,985.

Specification of Letters Patent.

Patented Aug. 11, 1914.

Application filed April 27, 1914. Serial No. 834,778.

To all whom it may concern:

Be it known that I, JOHN J. STRITZEL, a subject of the Emperor of Austria-Hungary, residing at Elma, in the county of Howard and State of Iowa, have invented certain new and useful Improvements in Compound Cushion-Heels, of which the following is a specification.

This invention relates to compound cushion heels, and one of the principal objects of the invention is to provide a rubber heel or rubber top lift having inserted at the wear point of the heel plugs of diamond-shape comprising materials of great wearing qualities and which will prevent slipping and which will also prevent the rubber of the heel from wearing away rapidly.

This and other objects may be attained by means of the construction illustrated in the accompanying drawing, and the process hereinafter described.

In the drawing, Figure 1 is a perspective view of the top lift for a heel made in accordance with this invention, and Fig. 2 is a detail sectional view taken on the line 2—2 of Fig. 1, looking in the direction indicated by the arrows.

Referring to the drawing the numeral 1 designates a rubber top lift adapted to be secured to an ordinary leather heel. It will be understood, however, that my invention contemplates the use of an entire rubber heel in which the plugs may be secured. The numeral 2 designates the diamond-shaped plug inserted in the rear portion of the heel and 3 are the plugs adapted to be secured in the top lift at the outer side of the heel where the heel wears away quickest. In carrying out the invention, the plugs 2 and 3 are first formed of the following mate-

rials and proportions: granulated cork, seventy-four parts; alkali, nine parts; glue, two parts; mineral wool, five parts, and fiber, ten parts. These materials are mixed together and molded in the form of diamonds and given a pressure to compact the materials sufficiently to render it comparatively proof against wear. These diamond-shaped plugs are then placed in the mold or form and the rubber is folded around them, and the entire lift or heel is pressed firmly in shape, after which the top lift or heel is vulcanized.

The heel made in accordance with this invention, or a top lift having the compound plugs inserted therein and molded with the heel or top lift will provide means for preventing the heel from wearing away readily, and will also prevent slipping owing to the materials in the plugs being somewhat frictional in character.

While certain relative proportions are mentioned in this specification, it should be understood that the proportions may be varied within considerable limit without departing from the spirit and scope of the invention as defined in the claim.

What is claimed is:—

A cushion shoe heel comprising a rubber body portion and a plurality of inserted plugs molded in the rubber, said plugs consisting of granulated cork, alkali, glue, mineral wool, and a fibrous material mixed and molded into form and incorporated in the rubber heel at the time of molding the same.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN J. STRITZEL.

Witnesses:

KARL HUBER,
R. CUNNINGHAM.