

C. WEIS.
 INTERCHANGEABLE HEEL FOR SHOES.
 APPLICATION FILED JAN. 25, 1913.

1,061,028.

Patented May 6, 1913.

FIG. 1

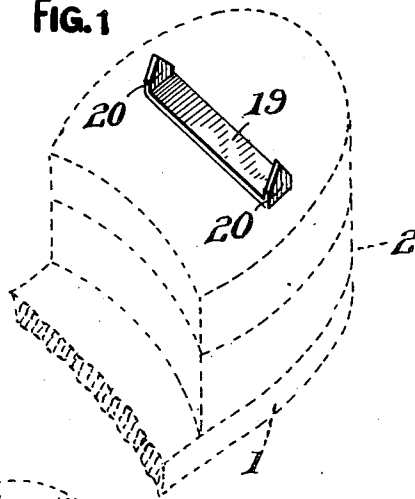


FIG. 2

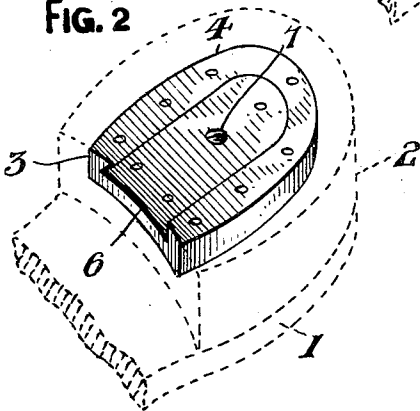


FIG. 3

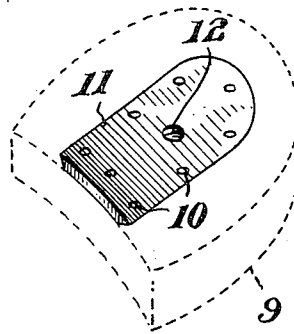


FIG. 4

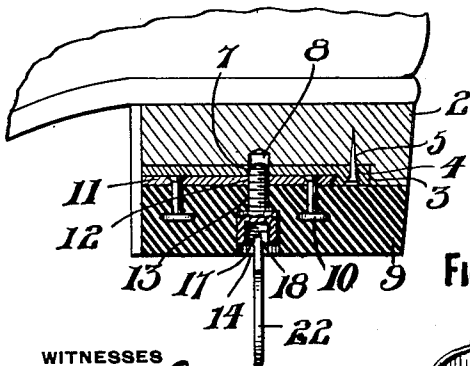


FIG. 5

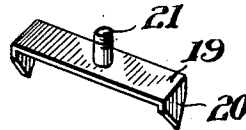
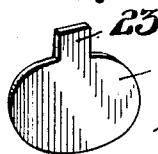


FIG. 6



FIG. 7



WITNESSES

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INTERCHANGEABLE HEEL FOR SHOES.

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To all whom it may concern:

Be it known that I, CHARLES WEIS, a citizen of the United States of America, residing at Huntingdon, in the county of Huntingdon and State of Pennsylvania, have invented certain new and useful Improvements in Interchangeable Heels for Shoes, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to interchangeable heels for shoes and other foot wear, and the primary object of my invention is to provide a heel attachment whereby a shoe can be furnished with a resilient or yieldable heel or with an ice creeper.

Another object of this invention is the provision of positive and reliable means, as hereinafter set forth, for connecting a resilient or cushion heel to the ordinary heel of a shoe and it is in connection with either one of these heels that an ice creeper can be used.

A further object of this invention is to accomplish the above results by a mechanical construction that is simple, durable, inexpensive to manufacture, easy to install and highly efficient for the purposes for which it is intended.

With the above and other objects in view the invention resides in the novel construction, combination and arrangement of parts to be hereinafter specifically described and then claimed.

Reference will now be had to the drawing, wherein:—

Figure 1 is a perspective view of the ice creeper in connection with a portion of a shoe having a cushion heel which is shown by dotted lines, Fig. 2 is a perspective view of a socket plate adapted to form part of the ordinary heel of a shoe, Fig. 3 is a perspective view of a tongue plate adapted to form part of the resilient heel, Fig. 4 is a longitudinal sectional view of an ordinary heel with a resilient or cushion heel applied thereto, Fig. 5 is a perspective view of a detached ice creeper, Fig. 6 is a perspective view of a detached screw bolt, and Fig. 7 is a perspective view of a key used in connection with the bolt shown in Fig. 6.

Further describing my invention in detail with reference to the accompanying drawing, wherein like numerals denote corresponding parts throughout: 1 denotes a portion of a shoe having a rigid or solid heel 2

that is recessed, as at 3 to accommodate a socket plate 4. The plate 4 is secured to the heel 2 by nails 5 or other fastening means and said plate has a longitudinal dovetailed socket 6 extending from the forward end thereof to a point in proximity to the rear end. The socket plate 4 has a central screw threaded opening 7 that communicates with a pocket 8 formed in the heel 2.

9 denotes a resilient or cushion heel and secured to this heel by countersunk rivets 10 or other fastening means is a dovetailed tongue plate 11 adapted to slide into and fit snugly within the socket 6 of the plate 4. The tongue plate 11 has a central opening 12 and the walls of said opening are screw threaded. The opening 12 is in communication with an opening 13 in the heel 9 and the outer end of the opening 13 is enlarged, as at 14.

15 denotes a screw bolt that is placed in the opening 13 and screwed in the openings 12 and 7 of the plates 11 and 4, whereby the tongue plate 11 will be locked relatively to the socket plate 4. The screw bolt 15 has a cylindrical head 16 fitting into the enlarged end 14 of the opening 13 and said head has a small interiorly screw threaded socket 17 and a transverse slot 18.

19 denotes a bar having the ends thereof provided with prongs 20 and said bar intermediate the ends has a threaded stem 21. The bar 19 and the prongs thereof constitute an ice creeper and the stem 21 can be screwed into the socket 17, when the cushion heel 9 is in use, or into the opening 7 when the cushion 9 is dispensed with.

22 denotes a key having a blade 23 adapted to fit in the slot 18 to facilitate screwing the bolt 15 into position to lock the cushion heel 9 relatively to the fixed heel 2.

From the foregoing it will be observed that the ice creeper can be used in connection with either heel thereby making it unnecessary to remove the cushion 9 when it is desired to use the ice creeper.

While in the drawing there is illustrated a preferred embodiment of the invention, it is to be understood that the structural elements are susceptible to such variations and modifications as fall within the scope of the appended claims.

What I claim is:—

1. In an interchangeable heel for shoes, the combination with a fixed heel, of a socket plate carried thereby, a cushion heel, a

tongue plate carried thereby and adapted to be detachably connected to said socket plate, a screw bolt for locking said cushion heel relatively to said fixed heel, and an ice
5 creeper capable of being arranged for attachment to said screw bolt.

2. In an interchangeable heel, a fixed heel, a socket plate attached thereto, a cushion heel, a tongue carried by said cushion heel
10 and adapted to fit in said socket plate, said plate having a countersunk portion, a screw

bolt extending in said countersunk portion to lock said tongue relatively to said socket plate, said bolt provided with a threaded opening, and an ice creeper having a stem
15 engaging in said threaded opening.

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

CHARLES WEIS.

Witnesses:

M. D. CULP,

J. G. GOODRICH.