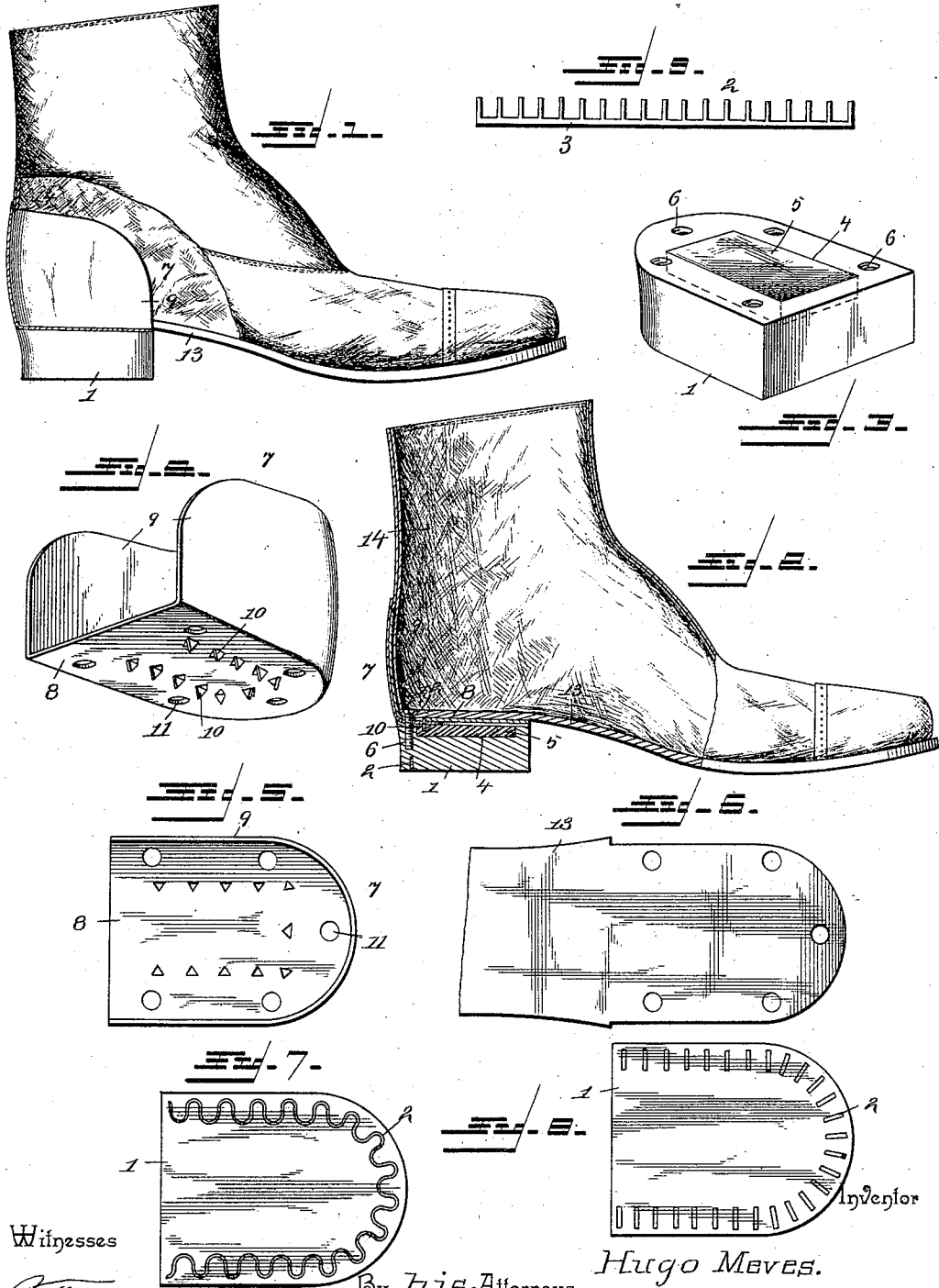


(No Model.)

H. MEVES.
SHOE HEEL.

No. 576,520.

Patented Feb. 2, 1897.



Witnesses

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HUGO MEVES, OF DAVENPORT, IOWA.

SHOE-HEEL.

SPECIFICATION forming part of Letters Patent No. 576,520, dated February 2, 1897.

Application filed December 4, 1895. Serial No. 571,052. (No model.)

To all whom it may concern:

Be it known that I, HUGO MEVES, a citizen of the United States, residing at Davenport, in the county of Scott and State of Iowa, have invented a new and useful Shoe-Heel, of which the following is a specification.

This invention relates to an improvement in shoes, and has for its object to provide an improved construction of heel and stiffening-plate for the heel portion of the vamp, whereby the manufacture of shoes may be expedited, the finished shoe retained permanently in proper shape, and increased durability and wearing properties imparted to the heel of the shoe.

Other objects and advantages of the invention will appear in the course of the subjoined description.

The invention consists in certain novel features and details of construction and arrangement of parts, as hereinafter fully described, illustrated in the drawings, and finally embodied in the claims.

In the accompanying drawings, Figure 1 is a side elevation of a shoe with the upper partially broken away to show the heel and heel-cap in elevation. Fig. 2 is a vertical longitudinal section through the same. Fig. 3 is a detail perspective view of the improved heel detached. Fig. 4 is a similar view of the heel-cap. Fig. 5 is a plan view of the heel-cap. Fig. 6 is a plan view of the heel portion of the sole. Fig. 7 is a reverse plan view of the heel, showing the reinforcing wear-strip therein. Fig. 8 is a similar view showing a modification in the reinforcement. Fig. 9 is a detail view of one form of reinforcing-strip.

Similar numerals of reference designate corresponding parts in the several figures of the drawings.

The improvement contemplated in this invention resides principally in the heel and heel-cap of a boot or shoe and is adapted to all forms of boots and shoes, whether for workmen or dress-shoes for ladies' and gentlemen's use.

Referring to the drawings, 1 designates a metallic heel, formed, preferably, of aluminium for the sake of lightness. This heel may be given any desired shape, according to the shoe to which it is to be fitted, and for the purpose of increasing the durability and wear-

ing properties thereof a reinforcing wear-strip 2, of steel or other hard metal, is embedded in the bottom surface of the heel. This reinforcing wear-strip may be either of the form shown in Fig. 7 or in Figs. 8 and 9, and is preferably molded into the heel by placing the same within the mold prior to the casting of the heel. The form of wear-strip shown in Fig. 7 is crimped or corrugated, whereas that shown in Figs. 8 and 9 consists of a plurality of downwardly-extending projections, all united to and formed integrally with a common strip 3. The strip 2 may extend entirely through the heel.

The heel 1 is provided in its upper surface with a recess or depression 4, in which is placed a section of rubber or equivalent material 5, and the heel is also formed, as to its upper surface, with a series of threaded sockets 6, the purpose of which will hereinafter appear.

7 designates a metallic heel-cap, formed, preferably, of aluminium for the sake of lightness. This heel-cap comprises a base-plate 8 and an upright flange or guard 9, extending partially around the same at a suitable distance upward therefrom, the said flange being adapted to be located between the vamp or upper and the lining of the shoe.

The base-plate 8 of the heel-cap is punctured at numerous points to establish depending points or spurs 10, disposed in such manner that they may be driven into the piece of rubber seated in the upper surface of the heel. The base-plate of the heel-cap is also provided with a series of perforations 11, corresponding in position to the threaded sockets 6 in the heel, through which may be inserted screws 12, by means of which the heel-cap may be securely fastened to the heel. The sole 13 is also provided with a series of holes corresponding in location to the sockets 6, through which the screws 12 may be passed.

The heel portion of the sole is shaped in such manner as to exactly fit within the heel-cap, and the lining (indicated at 14) is attached to the sole prior to the introduction of the latter into the heel-cap. The screws are now passed through the openings provided therefor in the sole and heel-cap, and also through perforations in the vamp or upper,

and the lower edges of the latter are folded and tucked in between the base-plate of the heel-cap and the upper surface of the heel, after which the heel-cap is pressed downward or against the heel in such manner as to cause the points or spurs of the former to penetrate the vamp or upper and become embedded in the piece of rubber in the upper surface of the heel. By now tightening the screws the heel is firmly secured to the shoe and the heel-cap will thereafter be held in such manner as to preserve the shoe in proper shape. The shoe may be finished off and padded or lined in any approved or desired manner.

By means of the construction above described a very simple and durable construction of heel and heel-cap is provided, which will add greatly to the life of the shoe and also to its appearance. It is also possible at any time to remove the heel and replace it with one of different height or shape, according to requirements. The described construction also facilitates and cheapens the manufacture of boots and shoes employing the improvement. If desired, the heel may be formed with sockets or grooves admitting of the application of skates.

Changes in the form, proportion, and minor details of construction may be resorted to without departing from the spirit or sacrificing any of the advantages of this invention.

Having thus described the invention, what is claimed as new is—

1. The combination in a shoe, of a heel-cap embracing the rear portion of the sole and

having depending points or spurs, a heel located under the heel-cap and having a filler or packing of soft material in its upper surface adapted to receive said points or spurs, the upper having its edges inserted between said cap and heel, and provision for securing the heel-cap and heel together, substantially as described.

2. The combination in a shoe, of a metal heel-cap embracing the rear portion of the sole and formed with a plurality of depending points or spurs, a heel arranged beneath the heel-cap and receiving said points or spurs, the vamp or upper having its bottom edges introduced between the heel-cap and heel and engaged by said points or spurs, and securing means for uniting the heel-cap and heel, substantially as described.

3. The combination in a shoe of a heel-cap embracing the rear portion of the sole and provided with depending spurs, a metal heel having a piece of rubber seated in its upper surface and adapted to receive said spurs, the vamp or upper having its edges introduced between the heel-cap and heel, and provision for uniting the heel to said heel-cap and the sole of the shoe, substantially as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

HUGO MEVES.

Witnesses:

JOHN KAUFMANN, Jr.,
OTTO RIECHE.