M. SNIDER AND H. KAUFMAN.

FASTENING FOR SHOE HEELS.

APPLICATION FILED APR. 22, 1919.

1,333,138. Patented Mar. 9, 1920.

Fig. 1.

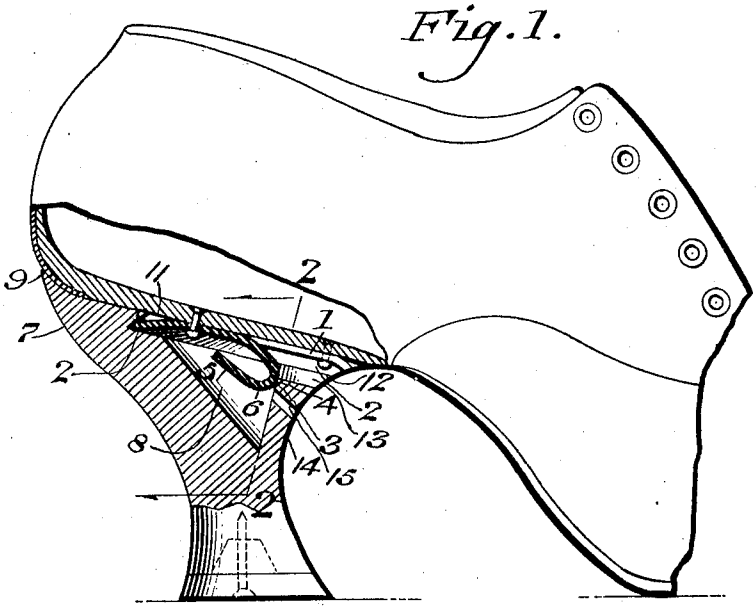


Fig. 3.

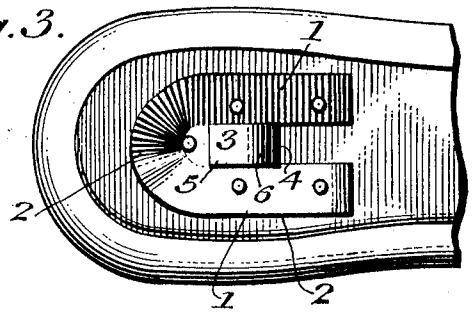


Fig. 5.

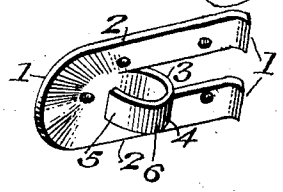
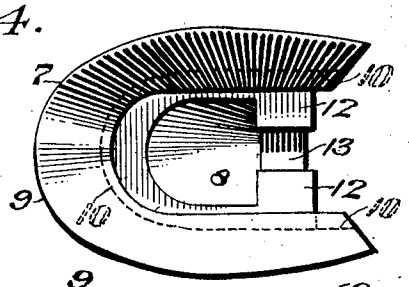


Fig. 4.



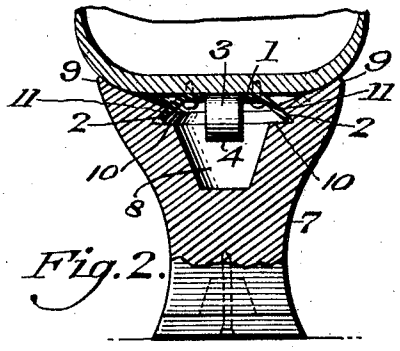
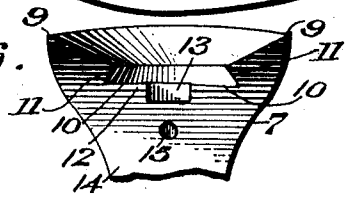


Fig. 2.

Fig. 6.



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UNITED STATES PATENT OFFICE.

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FASTENING FOR SHOE-HEELS.

1,333,138. Specification of Letters Patent. Patented Mar. 9, 1920.

Application filed April 22, 1919. Serial No. 291,966.

To all whom it may concern:

Be it known that we, MAX SNIDER and HERMAN KAUFMAN, both citizens of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Fastening for Shoe-Heels, of which the following is a specification.

Our invention relates to a heel for a shoe, boot or like article, and it consists of novel means for fastening or connecting the heel with a shoe or the like, whereby the heel is readily appliable to a shoe, etc., and will be held firmly in position and may be removed conveniently therefrom when so desired for repairs, packing, etc.

The invention is satisfactorily illustrated in the accompanying drawing, but the important instrumentalities thereof may be varied, and so it is to be understood that the invention is not limited to the specific details shown and described, as long as the variations are within the spirit or scope of the claims.

Figure 1 represents a partial side elevation and partial vertical section of a fastening of a shoe heel embodying our invention.

Fig. 2 represents a vertical section thereof on line 2—2 Fig. 1.

Fig. 3 represents a bottom plan view of the connecting member on the shoe.

Fig. 4 represents a top plan view of a heel showing the connecting member thereon.

Fig. 5 represents a perspective view of the connecting member shown in Fig. 3 removed from the shoe.

Fig. 6 represents a front view of the upper portion of the heel embodying our invention.

Similar numerals of reference indicate corresponding parts in the figures.

Referring to the drawings.

1 designates a plate formed of metal or other suitable material, the same being adapted to be secured to the underneath portion of the heel portion of the sole of a shoe, the sides of said plate being turned or deflected downwardly forming the lips 2 which are separated from said under portion of the heel, as best shown in Figs. 1 and 2.

A part of the plate 1 is cut out therefrom in the longitudinal direction of the shoe, and bent backward on the plate forming the spring or resilient loop-like catch 3 which is somewhat of loop-shape, the bend 4 of which is in front forming a shoulder to be hereinafter more fully referred to. The terminal portion of said catch forms the tongue 5 which extends rearwardly from the lower portion 6 of said bend, thus rendering the tongue and the body of the catch resilient.

7 designates the heel of a shoe, the exterior of the same being of conventional form and having in its top the recess 8 which is below the upper rim 9 of the heel. On the interior of the lower end of said rim is the groove or channel 10, the upper wall of which overhangs inwardly forming the flange 11.

12 designates the front wall of the recess 8, the same having in its top the passage 13 which is open throughout, its front end being at the top of the front breast 14 of the heel, and its rear end being at the front of the recess 8.

In said breast below the passage 13 is the opening or port 15 which forms a communication from the exterior of said breast to the interior of said recess below the bend 4 of the catch.

The operation of attaching the heel to the shoe is as follows:—

The heel is presented to the rear of the plate 1, and pushed to the front when the channel 10 receives the lips 2 of the plate 1. As the heel advances the passage 13 in the front wall 12 of the recess 8 receives the terminal 6 of the catch 3 and the bend 5 of the latter, the base of said passage then riding on the underside of said bend, the depth of said passage being such that it raises said bend and consequently the body of the catch contracting the latter in vertical direction. Then as soon as the bend clears the inner side of said front wall 12 the catch expands downwardly and said bend springs below the base of the passage 13, and so abuts as a shoulder against the inner side of said wall 12 as a stop, as shown in Fig. 1, thus locking the heel, this occurring when the latter occupies its proper position on the shoe, and it is prevented from displacement in forward or rearward direction while the flange 11 in the top of the heel overhangs the lips 2 of the plate 1, and engages therewith, thus preventing the heel from dropping or displacement downwardly from the shoe.

Should it be desired to remove said heel, a nail, pin, or other suitable implement is

inserted in the port 15, and pushed toward the catch 3 whereby its point strikes the bend 4 thereof and rides thereunder, thus raising the catch in the recess or chamber 8 whereby said bend clears the base of the passage 12 in the front wall 12 of the recess 8 and the tongue 5 of the catch in register with said passage when the heel may be drawn rearwardly, the bend 6 and tongue 5 then freely occupying said passage, the flange 11 of the rim riding freely over the lips 2 of the plate 1, in the movement of the heel, and so the catch is disconnected from the shoe and when the heel is drawn rearwardly to full extent it is entirely removed from the shoe.

Having thus described our invention what we claim as new and desire to secure by Letters Patent, is:—

1. A fastening plate constructed and arranged to be fastened to the heel portion of a shoe and having on the sides thereof downturned lips, a movable heel having in the top a channel to receive said lips, and a recess in said top, a passage on said top leading to said recess and a stop on the interior of the wall of said passage, and a catch member adapted to be connected with the heel portion of the sole of the shoe and having thereon a depending resilient tongue turned back on said member forming a loop like piece the bend of which is in front forming a shoulder which is adapted to engage interlockingly said stop, said catch member and tongue being turned out of said fastening plate integral with the latter, the wall of the heel having therein below said passage a port extending through the same adapted to receive an implement to raise said catch and tongue above said stop in register with said passage for removal purposes.

2. A heel, a catch of resilient material, and a plate carrying said catch, said plate being attachable to a shoe, said catch being composed of a portion of said plate turned back on the latter providing in front a bend forming a shoulder which is removably engageable with a shoulder member within said heel, and a resilient tongue rearward of said shoulder which is adapted to be located in said heel.

3. A heel having in its top portion a recess and a rim having in its inner side a channel, the front wall of said recess provided in its upper side with a passage.

4. A resilient catch, a plate carrying said catch and attachable to a shoe, said catch being composed of a looped-shaped portion of said plate turned back on the latter providing in front a bend forming a shoulder and rearward of the latter an elastic tongue, and a heel having in its upper portion a recess to contain said catch, a rim internally adapted to engage the sides of said plate, and a passage in the front wall of said recess through which said tongue is movable in adjusting the heel in position, said front wall having its inner side adapted to form a stop for said shoulder, said tongue being adapted to occupy said heel, the latter having in its wall a port which leads from the exterior of the heel to said tongue.

5. A heel, the same having therein a chamber, a resilient catch, and a plate carrying the same, said plate being attachable to a shoe, said catch being formed of a portion of said plate turned back on itself forming a rearwardly extending resilient tongue and providing in front a stop, the sides of said plate having thereon downwardly deflected lips, said catch and said tongue being adapted to occupy said chamber in the interior of the heel and being accessible from the exterior of the heel, the wall of the latter having therein a port leading to said chamber.

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