Aug. 31, 1965 W. R. SHELTON 3,203,117

HEEL GUARD FOR INSIDE WORK SHOES

Filed Nov. 2, 1964

Fig. 1

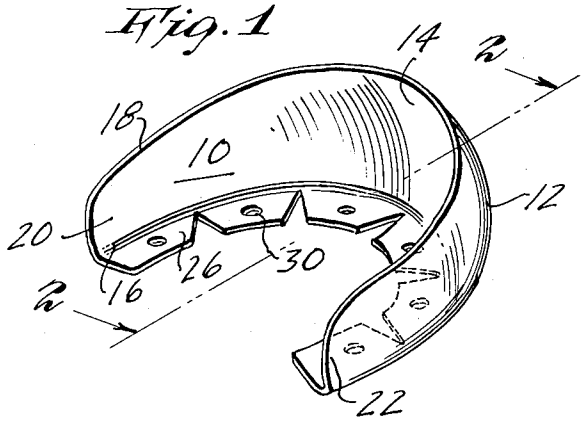
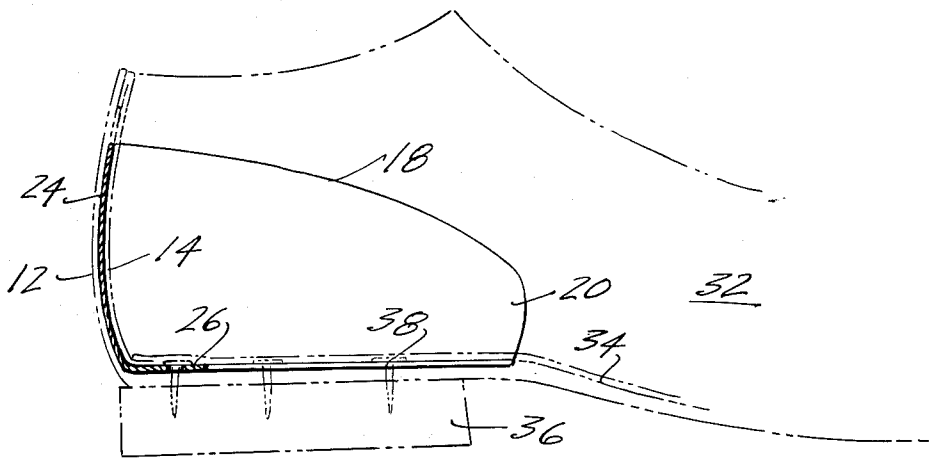


Fig. 2



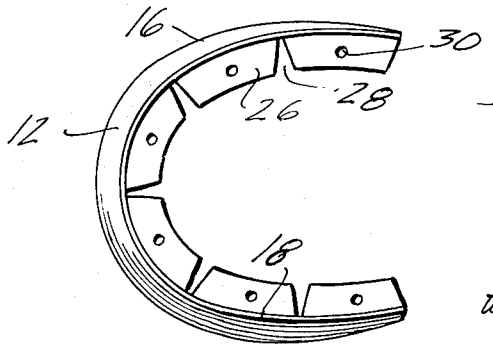


Fig. 3

INVENTOR.

WILLIAM R. SHELTON

United States Patent Office

3,203,117

Patented Aug. 31, 1965

3,203,117

HEEL GUARD FOR INSIDE WORK SHOES

William R. Shelton, Box 20, Swiss, W. Va.

Filed Nov. 2, 1964, Ser. No. 408,050

1 Claim. (Cl. 36—69)

My invention is directed toward heel guards for use inside work shoes.

It is an object of my invention to provide a new and improved heel guard of the character indicated which will protect the heel and ankle of the user from injury.

Another object is to provide a new and improved heel guard of the character indicated which can be easily installed in a work shoe.

Still another object is to provide a new and improved heel guard of the character indicated which can be manufactured easily and inexpensively.

All of the foregoing and still further objects and advantages of my invention will now be explained with reference both to this specification and to the accompanying drawings wherein:

FIGURE 1 is a perspective view of my heel guard;

FIGURE 2 is a cross sectional view through 2—2 of FIGURE 1; and

FIGURE 3 is a top plan view of my heel guard.

Referring now to FIGURES 1–3, there is shown an integral metal heel guard having a generally U-shaped band **10** which has a generally vertical but convex shaped outer surface **12** and a generally vertical but concave shaped inner surface **14**. The bottom edge **16** of band **10** lies in a horizontal plane and is U-shaped. The top edge **18** of band **10** connects at the ends of the legs **20** and **22** of the band **10** to the bottom edge **16** and rises vertically therefrom at both ends from a height of about one and one-quarter inches adjacent these ends toward the center of the portion **24** of the band intermediate the legs where it attains a height of about one and three-quarter inches.

Six generally trapezoidally shaped flanges **26** extend horizontally inward from edge **16** and are equidistantly spaced from each other. Adjacent flanges are separated

by V-shaped notches **28**. Each flange has a centrally positioned hole **30** for nailing.

In use, the guard is placed into a shoe **32** (after the shoe shank piece **34** has first been removed) with portion **24** being flush against the inside back of the shoe and legs **20** and **22** being flush against the rear sides of the shoe. Portion **24** and legs **20** and **22** are shaped as desired to conform to the curvature of the particular shoe employed. Nails **38** are then driven downward into the heel **36** of the shoe to secure the guard in place. The shank piece **34** is then placed back in position.

While I have described my invention with particular reference to the drawings, my protection is to be limited only by the terms of the claim which follows.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:

A heel guard having an integral metal structure comprising a generally U-shaped band having a generally vertical but convex shaped outer surface and a generally vertical but concave shaped inner surface, said band having top and bottom edges and two legs, the bottom edge of the band being horizontal and U-shaped, the top edge of the band being connected to the bottom edge at the ends of the legs and rising vertically therefrom to a maximum height at the center of the portion of the band intermediate the legs, and a plurality of separate equidistantly spaced flanges secured to the bottom edge and extending horizontally inward therefrom, each flange having the shape of a trapezoid and having a hole adapted to accommodate a nail, said flanges being separated by V-shaped notches.

References Cited by the Examiner

UNITED STATES PATENTS

1,143,294	6/15	McCoy	36—68
1,575,466	3/26	Tyler	36—68
2,738,600	3/56	Shultz	36—68

JORDAN FRANKLIN, *Primary Examiner.*

FRANK J. COHEN, *Examiner.*