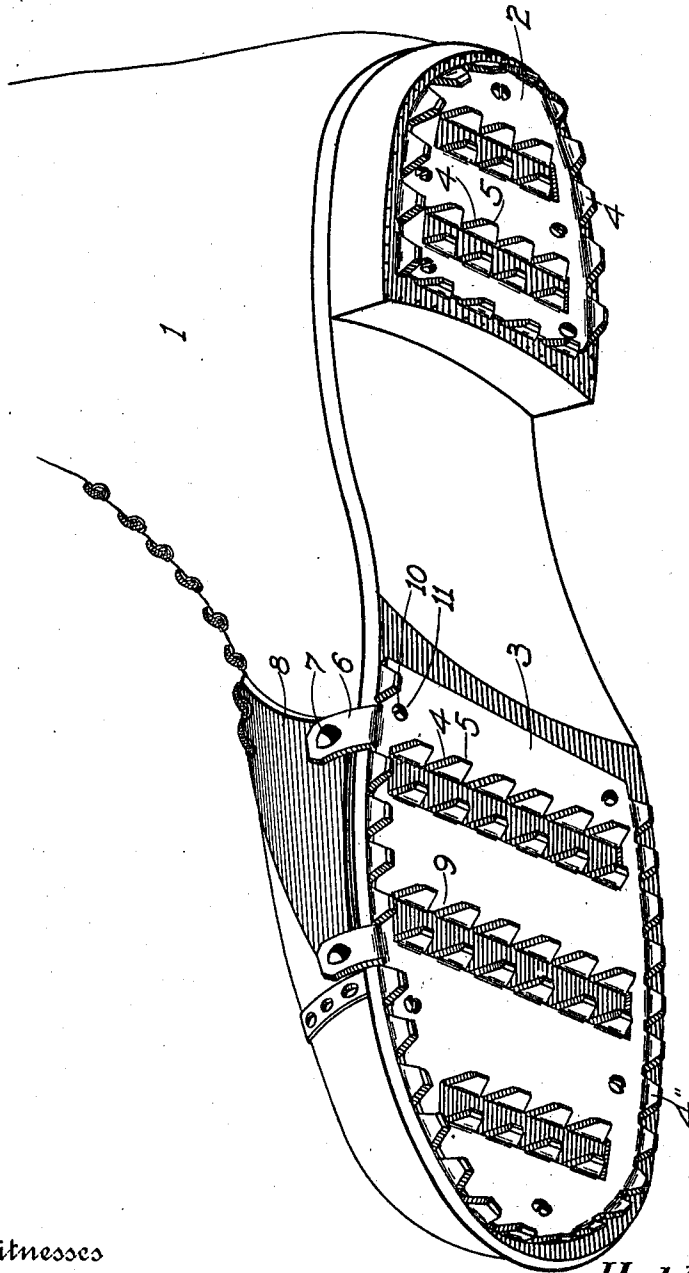


H. R. WISEMAN.
NON-SLIPPING SHOE.
APPLICATION FILED NOV. 27, 1908.

988,527.

Patented Apr. 4, 1911.



Witnesses

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UNITED STATES PATENT OFFICE.

HALDON R. WISEMAN, OF TURLOCK, CALIFORNIA.

NON-SLIPPING SHOE.

988,527.

Specification of Letters Patent.

Patented Apr. 4, 1911.

Application filed November 27, 1908. Serial No. 464,789.

To all whom it may concern:

Be it known that I, HALDON R. WISEMAN, a citizen of the United States, residing at Turlock, in the county of Stanislaus and State of California, have invented certain new and useful Improvements in Non-Slipping Shoes; and I do declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the characters of reference marked thereon, which form a part of this application.

This invention relates to improvements in shoes particularly to that style used by carpenters, shinglemen, lumbermen and all persons engaged in occupations wherein they are continually walking on smooth or slippery surfaces, the object of the invention being to produce a shoe which will prevent the wearer from slipping and falling thus preventing him from being injured.

A further object of the invention is to produce a means which will prevent shoes used by shinglers from wearing out as quickly as they now do by reason of the fact that a shingler at work always has one foot, usually the left, dragging on its side which action rapidly wears the same out.

A further object of the invention is to produce a simple, inexpensive and yet effective device for the purposes described.

These objects I accomplish by means of metal plates secured to the bottom of the sole and heel of the shoe, such plates having projecting teeth or serrations adapted to grip or bite into the surface on which the wearer may be and thus prevent him from slipping, such metal plates also having projecting tongues turned up at one side of the shoe to prevent the leather of the shoe from rubbing on the surface and wearing out at that point. Also such other and further construction and relative arrangement of parts are employed as will more fully appear by a perusal of the following specification and claim.

In the drawings similar characters of reference indicate corresponding parts in the several views.

The figure of the drawing is a perspective view of a shoe showing my complete device installed thereon.

Referring now more particularly to the characters of reference on the drawings 1

designates a shoe and 2 and 3 are metal plates shaped to conform to the shape of the heel and sole respectively of the shoe. Such plates have teeth 4 cut therefrom and bent downwardly at right angles to said plates and are provided with sharpened edges as at 5. Such teeth project transversely across said plates and also follow the side periphery of the same thus preventing the wearer from slipping in any direction.

On one side of the plate 3 are tongues 6 bent in the opposite direction from the teeth 4 and projecting up over the side of the shoe 1 to prevent the leather of the shoe from rubbing against any other surface and thus becoming worn. Such tongues 6 having upper orifices 7 into which may be riveted an auxiliary piece of leather, or other suitable material, 8 which leather extends over the side of the shoe and is interlaced with the laces of the shoe as shown in the drawings, which structure presents an auxiliary wearing surface thus preventing wear upon the shoe proper.

One of the aims of my invention is to construct the teeth 4 so that they can be cheaply and easily cut with a die, hence I make the teeth by cutting out metal on each side as shown by the polygonal orifices 9 which permit the adjacent teeth to be formed and bent easily, as is apparent.

The plates 2 and 3 are secured to the shoes by means of small screws 10 disposed through orifices 11 and into the shoe or by any other suitable means.

I have also found that for use by firemen in fighting fires, my device is unexcelled.

From the foregoing description it will be readily seen that I have produced a device for use on shoes, which is of great value to shinglers, carpenters and lumbermen inasmuch as it greatly reduces the liability of injury due to slipping and likewise prevents wear of the shoes.

While this specification sets forth in detail the present and preferred construction of the device, still in practice such deviations from such detail may be resorted to as do not form a departure from the spirit of the invention.

Having thus described my invention what I claim as new and useful and desire to secure by Letters Patent is:—

A device of the character described comprising the combination of a shoe having laces, a plate, a plurality of transverse slots

cut in said plate, upturned teeth disposed
along the edges of said slots, said teeth being
beveled from their bases upward and spaced
apart at the bases and beveled at their top
5 edges, similar teeth upturned on the outer
edge of said plate, projecting tongues turning
from the edge of the plate in opposite
direction to that of said teeth, and an auxiliary
plate secured to said tongues and pro-

vided with eyelets, the lacings of said shoe 10
being interwoven through said eyelets as described.

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

HALDON R. WISEMAN.

Witnesses:

PERCY S. WEBSTER,
FRANK H. CARTER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."
