

(No Model.)

H. SCHNARR.
SHANK PROTECTOR.

No. 398,453.

Patented Feb. 26, 1889.

Fig. 1.

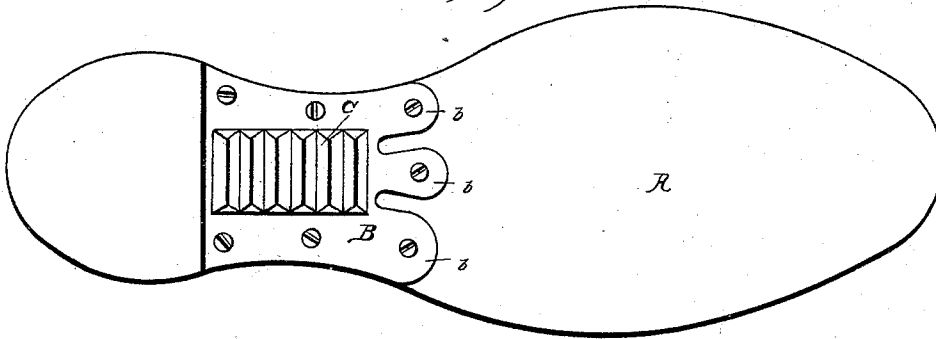
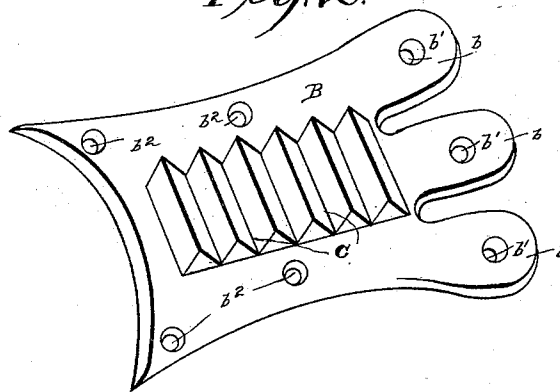


Fig. 2.



Witnesses.

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HENRY SCHNARR, OF NORA SPRINGS, IOWA.

SHANK-PROTECTOR.

SPECIFICATION forming part of Letters Patent No. 398,453, dated February 26, 1889.

Application filed May 26, 1887. Serial No. 239,455. (No model.)

To all whom it may concern:

Be it known that I, HENRY SCHNARR, a citizen of the United States, residing at Nora Springs, in the county of Floyd and State of Iowa, have invented a new and useful Improvement in Shank-Protectors, of which the following is a specification.

My invention relates to an improvement in shank-protectors; and it consists in the construction and arrangement of the parts of the same, which will be more fully hereinafter described, and pointed out in the claim.

The object of my invention is to provide a protector for boots and shoes adapted to be applied over the shanks thereof and advantageously used in tamping. I attain this object by the device illustrated in the accompanying drawings, wherein like letters of reference indicate similar parts in the several views, and in which—

Figure 1 is a bottom plan view of a boot or shoe showing my improvement in connection therewith. Fig. 2 is a detail perspective view of my improvement.

A indicates the sole of a boot or shoe of the usual form, and having the common shank inserted in the same.

My improvement consists in the construction of a plate, B, which is secured against the heel at one end and rests in the instep. The forward end of the plate B is formed with a series of divided projections, *b b b*, each being provided with a screw-hole, *b'*. These projections *b* are adapted to be secured adjacent or over the ball of the foot, and may be bent up or down, as the application may require. The body of the plate B is also formed with a series of screw-holes, *b²*, and by means of the screw-holes *b'* and *b²* the said plate is secured to the shank of the shoe or boot. In the central portion of the plate a series of corrugations, C, are formed integrally with the plate, and which may have an angular configuration, as shown in the drawings, or curved, as may be desired, and governed at will. The under side of the plate is formed concave, to more readily fit the surface to which it is to be applied, and when adjusted as shown in Fig. 1 it is securely fastened to the boot or shoe by screws passing through the holes *b'* and *b²*, as shown. It will be understood that this improved form of plate will be used in connection with the boots or shoes of laborers, and forms a reinforcement for the boot or shoe to which it is

applied, as well as an aid in tamping, as the top edge of the shovel or spade will be engaged by the corrugations C, and a firm foothold thereby given.

It will be understood that these corrugations C do not extend entirely across the plate B, but are arranged in the center thereof. They are arranged to extend in a continuous straight line, and are disposed parallel with each other. They are elevated or projected beyond the face of the plate.

I am aware that shank-protectors have been provided with longitudinal corrugations. I am aware, also, that plates have been provided for the soles, shanks, and heels of shoes, which plates are formed with short ribs or corrugations; but I am not aware that a shank-protector has ever been constructed with transverse continuous corrugations arranged parallel to each other, for the purpose set forth.

The novelty and utility of my improvement being apparently obvious and appreciable, it is unnecessary to further enlarge upon the same herein.

It will be observed that the V-shaped corrugations are arranged in the center of the plate, and by this arrangement it will be seen that the corrugations are brought to a point where they are most needed, and where they are less liable to break off. It would be objectionable to extend the corrugations entirely across the plate.

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

As an improved article of manufacture, the herein-described shank-protector comprising the convex-concave plate B, adapted to be secured to the shank of a boot or shoe, and provided along the center with a series of parallel V-shaped ribs, said plate being solid throughout, and the corrugations being projected from the rest of the plate formed integral with the same and arranged in a continuous straight line transversely to the length of the plate, but not extending entirely across the same, the said plate having the front ears, *b*, as set forth.

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

Witnesses: HENRY SCHNARR.

J. B. WHITNEY,
ASA WALLACE.