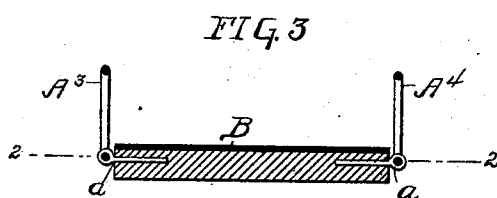
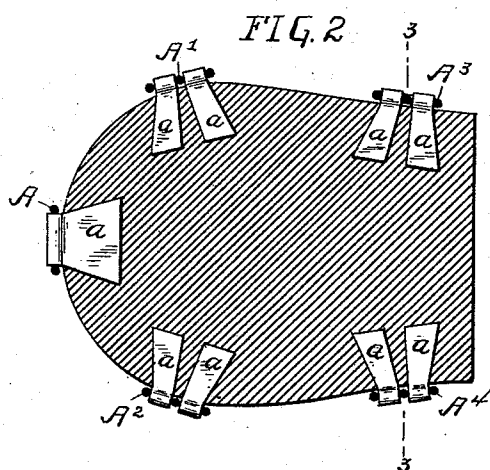
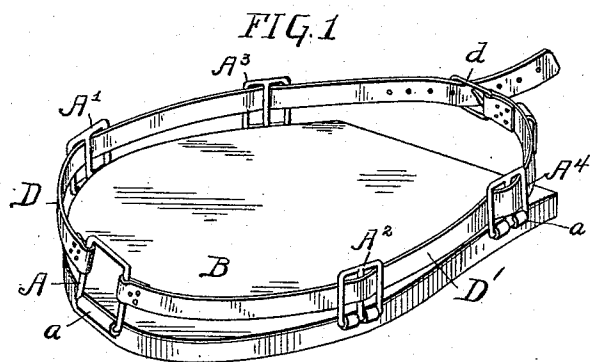


(No Model.)

P. W. WEIDA.
CREEPER SHOE FOR HORSES.

No. 543,415.

Patented July 23, 1895.



Witnesses:
D. Hallam
G. J. Gilbert

Inventor:
Peter W. Weida
By his attorney
Walter V. Calmore

UNITED STATES PATENT OFFICE.

PETER W. WEIDA, OF PHILADELPHIA, PENNSYLVANIA.

CREEPER-SHOE FOR HORSES.

SPECIFICATION forming part of Letters Patent No. 543,415, dated July 23, 1895.

Application filed October 24, 1894. Serial No. 526,817. (No model.)

To all whom it may concern:

Be it known that I, PETER W. WEIDA, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Creeper-Shoes for Horses, of which the following is a specification, reference being had therein to the accompanying drawings.

The object of my invention is to provide an improved creeper or shoe for horses, which may be employed in addition to the ordinary iron shoe for the purpose of enabling the animal to obtain a firm and sure footing on slippery pavements, and to this end I provide a plate or slab of emery, corundum, sand, or similar material cemented together by rubber and attach the same to the hoof by a strap or other convenient means, as more fully set forth hereinafter.

In the accompanying drawings, Figure 1 is a perspective view of a shoe or creeper constructed in accordance with my invention. Fig. 2 is a sectional plan view of the same on the line 2 2, Fig. 3, and Fig. 3 is a transverse sectional elevation on the line 3 3, Fig. 2.

In carrying out my invention I first take a suitable mold of the size and contour of the plate A and arrange within the same, at suitable intervals, the pivot tongues or lugs *a* of the various strap holders and guides A A' A² A³ A⁴, and then cast or pour in the mixed ingredients of which the plate is formed.

The plate is preferably made from ground emery or corundum, or both, mixed with a sufficient quantity of melted rubber to bind the ingredients together, enough rubber being employed to give the plate some little elasticity, so that it will not break when in use, while the emery or corundum will be present in sufficient quantity to form a rough base which will enable the horse to obtain a sure and firm footing on wet or icy pavements. In lieu of emery or corundum, however, I may employ other material, such as sand or other sharp gritty substance, as will be readily understood.

The various strap holders or guides are arranged around the plate, one A being at the front and forming a base or holder to the opposite side bars, to which the ends of the straps D and D' are secured, the two straps

passing from thence through the various guides A A' A² A³ A⁴ at the sides of the plate and being united by a buckle *d*, so that when the straps are drawn tightly together the various guides will bend inwardly upon their pivot-lugs *a* and will bind upon the inclined hoof of the horse and hold the shoe tightly in place.

It will be noted that the rear strap-guides A³ A⁴ on both sides of the plate are somewhat to the rear of the widest portion of the hoof, so that the plate, when the guides are drawn against the hoof, cannot move forward.

The plates or lugs *a* on which the strap guides or holders are pivoted are in the form of thin wedge-shaped strips of material widest at their inner ends, so that they cannot be pulled out of the plate, and provided at their outer ends with orifices for the reception of the lower or pivot bar of the various strap-guides. Two lugs *a* are preferably employed for each strap-guide, one being arranged close to each vertical bar of the guide, so that no lateral movement of the guides is permitted.

If necessary a single pivot-lug may be employed for each strap-guide, the pivot-point being wide enough to embrace the entire length of the lower bar of the guide, as shown, for instance, on the forward holder A.

The various lugs are arranged in the plate so that the greater portion of its thickness—say about two-thirds—will be below the lugs, so that considerable wear is provided for before the lugs are exposed.

While the plate is still hot in the mold, I preferably run on top a quantity of soft rubber B, on which the horse's shoe may rest, so as to form an elastic cushion which will yield under the weight of the animal and in which the heel and toe pieces of the shoe will partially be embedded and held, or this rubber may be afterward cemented to the top of the plate.

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

1. In combination, a plate of sharp gritty material and rubber, a series of pivot lugs embedded therein and projecting laterally from the edges of the plate, a forward strap holder and side strap holders or guides pivoted to said lugs, and opposite straps, each

having one end secured to the forward strap holder and passing through the respective side strap holders or guides, substantially as specified.

- 5 2. In combination, a plate of sharp gritty material and rubber, a series of wedge-shaped pivot lugs *a* embedded therein, strap guides or holders A, A', A², A³, A⁴ pivoted to said lugs, and straps D D' secured to the opposite

side bars of the forward holder A and passing 10 through the remaining holders or guides, substantially as specified.

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

PETER W. WEIDA.

Witnesses:

HYA SCHUERIN,
GEO. W. FARSON.