D. DRAIN.

HORSESHOE CREEPER.

APPLICATION FILED FEB. 20, 1913.

1,067,474.

Patented July 15, 1913.

Fig. 1.

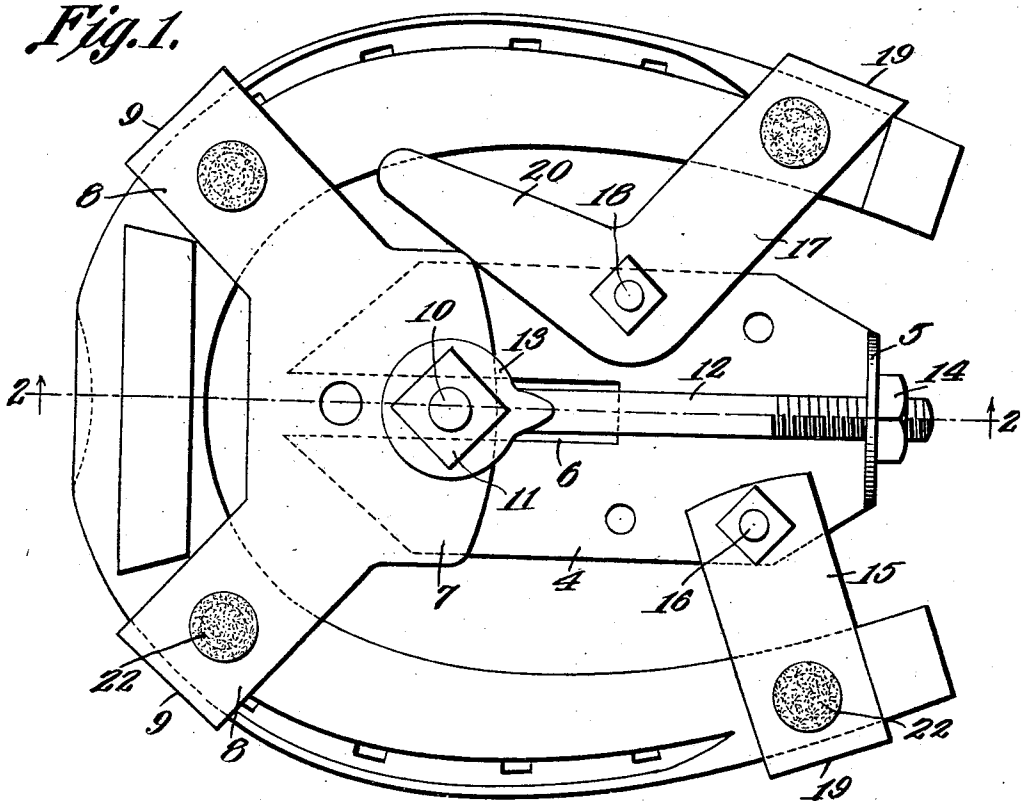


Fig. 2.

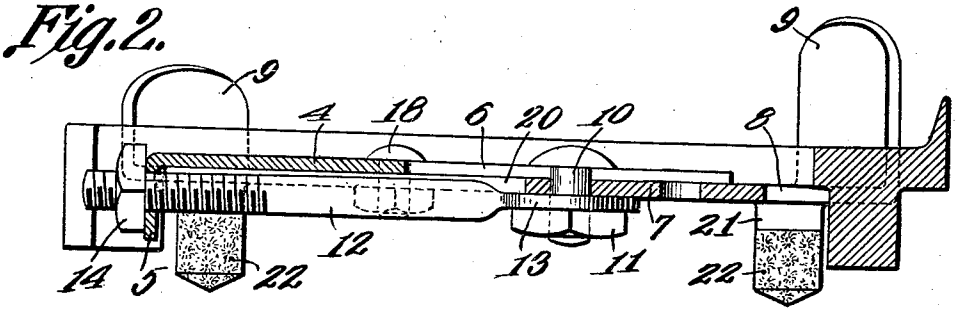
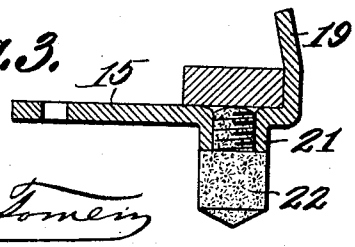


Fig. 3.



Witnesses

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HORSESHOE-CREEPER.

1,067,474. Specification of Letters Patent. Patented July 15, 1913.

Application filed February 20, 1913. Serial No. 749,689.

To all whom it may concern:

Be it known that I, DANIEL DRAIN, a citizen of the United States, residing at Spokane, in the county of Spokane and State of Washington, have invented a new and useful Horseshoe-Creeper, of which the following is a specification.

The present invention appertains to horse shoe creepers, and aims to provide a novel and improved creeper designed to be attached or secured to various horse shoes in a facile and expeditious manner.

With the foregoing and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed can be made within the scope of what is claimed without departing from the spirit of the invention.

The invention has been illustrated in its preferred embodiment in the accompanying drawing, wherein:—

Figure 1 is a bottom view of the creeper as applied to a horse shoe. Fig. 2 is a longitudinal central section of the creeper as applied to a horse shoe, the section being taken on the line 2—2 Fig. 1. Fig. 3 is a sectional detail.

Referring specifically to the drawing, the present invention embodies a body 4 preferably stamped or fashioned from a suitable plate of metal and being of elongated form. The body 4 has its rear end bent angularly or downwardly to provide an ear 5, and is provided with a longitudinal slot 6 therein opening forwardly. The body 4 is of such a contour as to fit properly within various horse shoes.

The head 7 laps the forward end of the body 4, the head bearing against the bottom of the body and having a pair of forwardly diverging arms 8 provided at their extremities with the upstanding ears 9 to engage over the toe of the horse shoe. The head 7, arms 8 and ears 9 are preferably fashioned from a suitable plate of metal.

The bolt 10 is carried by the head 7, the said bolt passing through the head and through the slot 6 of the body 4 with its head contacting or engaging the top of body 4. A nut 11 is threaded on the lower or depending end of the bolt 10 and a draft bolt 12 is provided with an eye 13 embracing the bolt 10 and having its tail or threaded end passing through the ear 5. The eye 13 is sandwiched or disposed between the nut 11 and the head 7, and a nut 14 is threaded on the free end of the bolt 12 so as to seat or contact with the ear 5.

An arm 15 is pivoted along one edge of the body 4 adjoining its rear end, the said arm being pivoted to the bottom by means of the bolt 16, and another arm 17 is pivoted to the body adjoining its other or opposite edge by means of the bolt 18. The pivotal point of the arm 17 is located in advance of the pivotal point of the arm 15, the bolts 16 and 18 being arranged diagonally or obliquely relative to each other. The arms 15 and 17 are provided with the upstanding ears 19 at their free ends or extremities which are adapted to engage over the heel or ends of the horse shoe adjoining the calks. The ears are adapted to engage the heel or ends of the horse shoe at directly opposite positions so that it will be evident that arm 15 is relatively short and the arm 17 is relatively long, the arm 17 standing at a greater angle relative to the median line of the horse shoe than the arm 15. The arm 17 is provided with an angular extension or toe 20 at its inner or pivoted end which is adapted to engage or contact with the respective corner of the head 7. The arms 15 and 17 are preferably stamped or fashioned from suitable plates of metal and are preferably made to lap the bottom face of the body 4.

Each of the arms 8, 15 and 17 is provided with a depending boss or collar 21 struck downwardly therefrom adjoining its outer end or extremity. Suitable studs or calks 22 are adapted to be engaged to the bosses 21, the calks being adapted to seat against the bosses and having shanks threaded into or otherwise engaged to the bosses. Thus, it will be evident that the calks may be replaced when worn out.

In applying a creeper to a horse shoe, it being understood that the creeper may be applied to a horse shoe secured to the hoof of a horse or other animal, the body 4 is swung diagonally toward the side to which the arm 17 is arranged, so that the arms 15 and 17 are in approximate alinement, this permitting the ears 19 to be spread or projected away from each other. The ears 19 are readily engaged over the heel or ends of

the horse shoe, and after this has been done the body 4 may be swung into longitudinal or proper position. It is to be noted that when the ears 19 are engaged to the heel of the horse shoe, the body 4 may be held slightly away from the horse shoe in order that the body may be conveniently swung to its longitudinal or central position after which, the body may be swung into position within the horse shoe so that the ears 9 engage over the toe of the horse shoe. The bolt 12 is then drawn rearwardly by tightening the nut 14, which will cause the ears 9 and 19 to contract between the toe and heel so as to firmly hold the creeper in position, the toe 20 coming into contact with the head 7 so as to prevent the arm 17 from swinging forwardly, which would otherwise ensue. In this manner, the creeper may be readily and conveniently applied to the horse shoe, or to the hoof of the animal, and conversely, by loosening the nut 14, the creeper will drop off without any difficulty.

The present creeper is applicable to various styles and sizes of horse shoes with equal propriety.

What is claimed is:—

1. A horse shoe creeper embodying a body, arms pivoted thereto at diagonal points and engageable with the heel of a horse shoe, and a member adjustably connected to the body and engageable with the toe of the horse shoe, the arm which is pivoted in advance of the other having a toe to contact with the said member.

2. A horse shoe creeper embodying a body, arms pivoted thereto at diagonal points and engageable with the heel of a horse shoe, a member engageable with the toe of the horse shoe, and draft means connecting the said member and body, the arm which is pivoted in advance of the other having a toe to contact with the said member.

3. A horse shoe creeper embodying a body having a slot therein, arms pivoted to the body and engageable with the heel of a horse shoe, a member engageable with the toe of the horse shoe, and having means engaging in the said slot, draft means engaging the said member and the rear end of the body, the arms being pivoted to the body at diagonal points and that arm which is pivoted in advance of the other having a toe to contact with the said member.

4. A horse shoe creeper embodying a body having a longitudinal slot therein, a pair of arms pivoted thereto at diagonal points and engageable with the heel of a horse shoe, a head having means to engage the toe of a horse shoe, a member carried by the head and passing through the said slot, and a draft member connecting the said member and the rear end of the body.

5. A horse shoe creeper embodying a plate having its rear end bent angularly and having a longitudinal slot opening forwardly, a plate lapping the forward end of the aforesaid plate and having a pair of arms to engage the toe of the horse shoe, a pair of arms pivoted to the former plate at diagonal points and engageable with the heel of the horse shoe, a bolt carried by the latter plate and engaging through said slot, and a bolt having an eye engaging the aforesaid bolt and passing through the angular end of the former plate, the arm which is pivoted in advance of the other having a toe engaging the respective corner of the latter plate.

6. A horse shoe creeper embodying a body having a longitudinal slot, a head lapping the body having means to engage the toe of a horse shoe, arms carried by the body and engageable with the heel of the horse shoe, a member carried by the head and engaging through the said slot, and draft means connecting the said member and the body.

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

DANIEL DRAIN.

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