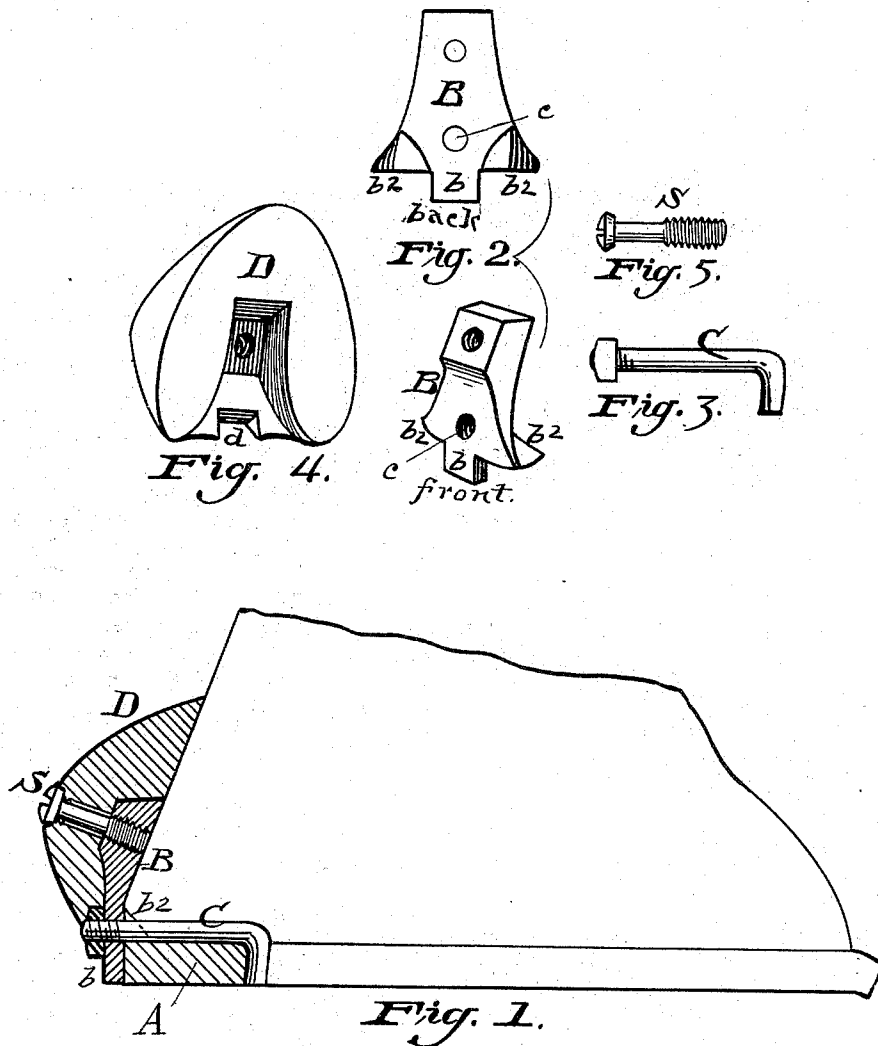


(No Model.)

B. D. GEIB.
TOE WEIGHT.

No. 488,311.

Patented Dec. 20, 1892.



Witness,

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Inventor,

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UNITED STATES PATENT OFFICE.

BERNARD D. GEIB, OF CLEVELAND, OHIO.

TOE-WEIGHT.

SPECIFICATION forming part of Letters Patent No. 488,311, dated December 20, 1892.

Application filed May 13, 1892. Serial No. 482,916. (No model.)

To all whom it may concern:

Be it known that I, BERNARD D. GEIB, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Toe-Weights for Horses, of which the following is a specification.

This invention relates to toe weights for horses and consists in the novel constructions and combinations as hereinafter described and pointed out in the claim.

In the accompanying drawings, Figure 1 is a sectional view of my new toe weight as seen applied to hoof and shoe. Fig. 2 is a detached view of the standard to which a removable weight is attached. Fig. 3 is a detached view of a hook bolt used for clamping the standard to the shoe. Fig. 4 is a detached view of the weight. Fig. 5 is a detached view of the screw used for securing the weight to the standard.

A represents the shoe in the front of which is made a notch sufficiently deep to receive the lug *b* of the standard B.

C is a hook bolt passing through a hole *c* in the standard, by means of which the standard is clamped to the shoe, the hook taking hold in a notch on the inside of the shoe, the nut being on the outside of the standard, a groove being made in the bottom of the hoof to admit it. The rear side of the standard also has two pointed spurs *b*², resting in notches made in the hoof on each side of the hook bolt. The upper portion also has a beveled enlargement having a screw-threaded hole for the screw which holds the weight.

D is a weight having a recess in its inside face of the form of the front of the standard, and a notch *d* in the lower edge which fits over the nut on the bolt C, and serves to prevent it turning.

S is the screw which holds the weight onto the standard. It is screw-threaded on its inner end only, the object of which is to allow the weight to be removed without unscrewing the screw from the weight, and to provide for the retention of the screw in the weight when removed, and prevent it becoming lost. The screw may however be taken from the weight by unscrewing it therefrom if desired.

Another advantage of this improvement is that the weight may be attached to the front or at one side from the front if required, and weights of different sizes may be attached to the standard, thus enabling the use of graded weights upon the one standard.

Having described my invention I claim.

In a toe-weight, the combination with shoe A, of standard B having lug *b* and spurs *b*², hook bolt C clamping the standard to the shoe, and weight D recessed to receive the standard B and having recess *d* engaging the nut on the bolt C, and screw S having partly plain and partly screw threaded body for securing the weight to the standard, substantially as described.

BERNARD D. GEIB.

Witnesses:

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D. C. GROVER.