

(No Model.)

C. H. BURBIDGE, Jr.

TOE WEIGHT FOR HORSESHOES.

No. 259,746.

Patented June 20, 1882.

Fig. 1.

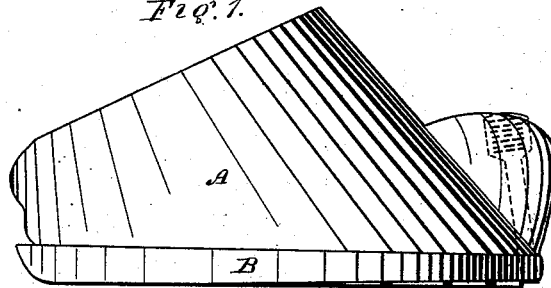


Fig. 2.

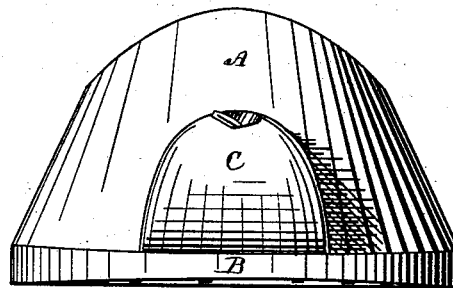
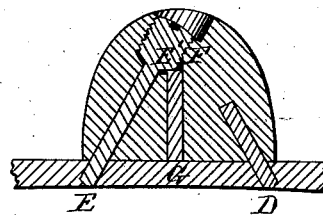


Fig. 3.



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by Theo. G. Ellis, attorney

UNITED STATES PATENT OFFICE.

CHARLES H. BURBIDGE, JR., OF WEST HARTFORD, ASSIGNOR TO HIMSELF
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TOE-WEIGHT FOR HORSESHOES.

SPECIFICATION forming part of Letters Patent No. 259,746, dated June 20, 1882.

Application filed April 14, 1882. (No model.)

To all whom it may concern:

Be it known that I, CHARLES H. BURBIDGE, Jr., of West Hartford, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Toe-Weights for Horses; and I do hereby declare that the following is a full, clear, and exact description thereof, whereby a person skilled in the art can make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

Like letters in the figures indicate the same parts.

My improvement relates to toe-weights which are used to correct defects in the gait of horses or to increase their speed.

The object of my invention is to provide a toe-weight which shall be more easily attached to the shoe and held more firmly in position and be simpler in construction than those ordinarily used.

In the accompanying drawings, illustrating my invention, Figure 1 shows a side view of a horse's foot and shoe embodying my improvement. Fig. 2 is a front view of the same. Fig. 3 is a vertical section across the toe-weight, showing its construction.

A is the horse's hoof. B is the shoe. C is the toe-weight.

D is an inclined pin firmly fixed in the body of the toe-weight. It extends downward through a corresponding hole in the shoe B, which is formed to receive it.

E is an inclined pin upon the other side of the toe-weight, which likewise extends downward and fits into a hole in the shoe. This pin forms a separate part from the body of the

toe-weight, and passes through a socket, in which it fits. At its upper end it is furnished with a shoulder, E', and also with a screw-thread, F, which engages with a hollow thread in the socket, and by which it is adjusted and held in place. The head of the pin E is also provided with a nick for a screw-driver.

G is a loose pin, fitting in a socket in the toe-weight in such a position that its upper end rests against the shoulder E' of the pin E and its lower end rests upon the top of the shoe.

My improved toe-weight is adapted to be attached to any ordinary horseshoe by simply boring the two inclined holes for the pins D and E.

To attach the weight to the shoe the pin E is turned upward by the screw, the pin D is placed in its proper hole, and the pin E then screwed down. When it has passed into the shoe the shoulder E' reaches the top of the pin G and presses it down on the top of the shoe. This holds and binds the weight and shoe firmly together. The flaring pins D and E, inclined in opposite directions, prevent the weight from coming off, while the pin G binds them so as to prevent any movement.

What I claim as my invention is—

In combination with a toe-weight, as a means for attaching it to a horseshoe, the inclined fixed pin D, the inclined movable pin E, provided with the shoulder E' and screw-thread F, and the vertical pin G, operated by the pin E, substantially as described.

CHARLES H. BURBIDGE, JR.

Witnesses:

EDWIN F. DIMOCK,
THEO. G. ELLIS.