

(No Model.)

R. G. WILCOX.

TOE WEIGHT.

No. 342,665.

Patented May 25, 1886.

Fig. 1.

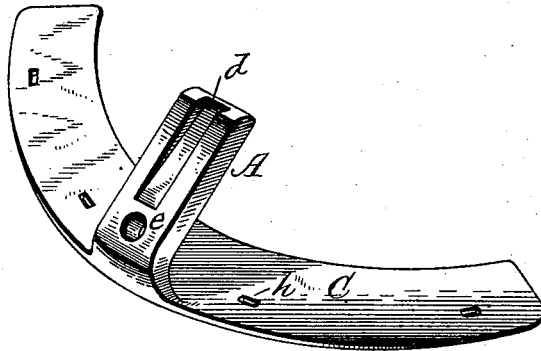
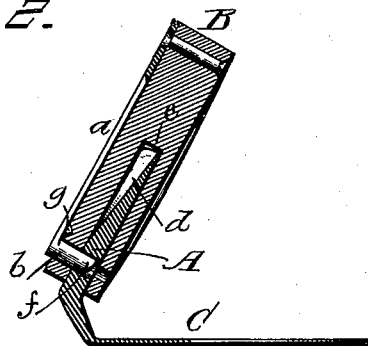


Fig. 2.



Witnesses.
" *[Signature]*
L. L. Miller

Inventor.
Reuben G. Wilcox.
per *[Signature]* Charles H. Fowler
Attorney

UNITED STATES PATENT OFFICE.

REUBEN G. WILCOX, OF RAPIDS, OHIO, ASSIGNOR OF ONE-HALF TO
JAMES W. DAVIS, OF SAME PLACE.

TOE-WEIGHT.

SPECIFICATION forming part of Letters Patent No. 342,665, dated May 25, 1886.

Application filed October 20, 1885. Serial No. 180,449. (No model.)

To all whom it may concern:

Be it known that I, REUBEN G. WILCOX, a citizen of the United States, residing at Rapids, in the county of Portage and State of Ohio, have invented certain new and useful Improvements in Spurs and Clips for Horse-shoes; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a perspective view of my invention with the toe-weight removed, and Fig. 2 a cross-section with the toe-weight in place.

The present invention has relation to that class of horseshoes provided with detachable toe-weights, and refers more particularly to the construction shown in my former patent, dated January 23, 1883, No. 271,008. In the above-mentioned patent the clip for attaching thereto the weight was formed on the toe of the horseshoe by forging or otherwise made with the shoe in any well-known manner.

It is the object of the present invention to provide means whereby the clip is independent of the horseshoe, and can be used with the toe-weights on any of the usual forms of shoes without altering them.

The invention therefore consists in providing the clip with a spur segmental in form to extend around the toe of the horseshoe a sufficient distance upon each side of the clip to firmly hold it in place and form a larger or increased bearing-surface, as will be hereinafter described and claimed.

In the accompanying drawings, A represents the clip, and B the weight for attaching thereto, their construction being the same as in my former patent, the weight having a spring, *a*, a lug, *b*, on the end thereof, and an elongated mortise, *c*, to receive the clip A. When the weight B is slipped over the end of the clip A, the beveled end of the lug *b* will follow along the inclined groove *d* in the clip until it reaches the perforation *e*, when, by the action of the spring *a*, it will force the lug

in engagement with the perforation and securely hold the weight to the clip. In my former patent the free end of the lug *b* was flat; but in the present instance I form it beveled, as shown at *f*; also, I provided the weight with a transverse groove, *g*, directly under the spring, for more conveniently inserting a tool or instrument to release the spring. By beveling the end of the lug *b* it forms means for raising the same when the weight is first placed over the end of the clip. The clip A is formed with a segmental spur, C, formed thin at its inner edge, for convenience of inserting it between the shoe and hoof, and is provided with nail-holes, *h*, of the required distance apart to register with the nail-holes in the shoe, whereby the same nails that fasten the shoe will also fasten the spur. The clip and spur are forged out of a solid piece of metal, there being no welds, and the metal of the spur being so thin that the nail-holes can be punched through as required. The spur can be used on all sizes of shoes, and any suitable means may be employed for detachably connecting thereto the toe-weight.

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

1. A clip adapted for attachment thereto of a toe-weight, and cast with a spur segmental in form, so as to extend around the toe of the horseshoe at each side of the clip, substantially as and for the purpose set forth.

2. A segmental spur provided with a grooved clip having a perforation therein, in combination with a toe-weight having a mortise, a spring with a lug formed with a beveled end, and a groove on the weight directly under the spring, substantially as and for the purpose described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

REUBEN G. WILCOX.

Witnesses:

EDGAR CHAPMAN,
R. W. WILCOX.