

H. D. McKINNEY.
Toe-Weight for Horses.

No. 209,575.

Patented Nov. 5, 1878.

Fig. 1.

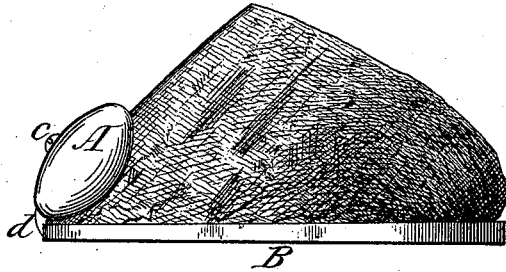


Fig. 2.

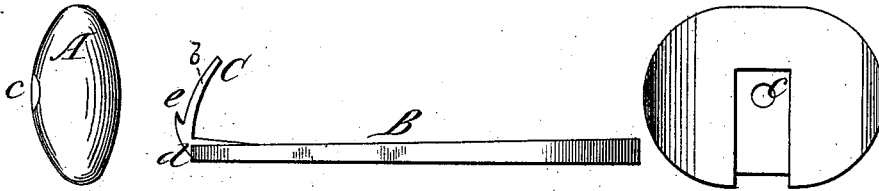
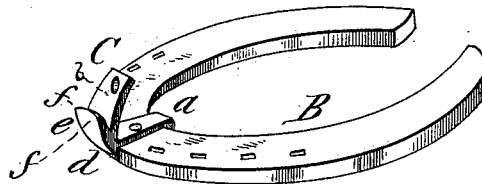


Fig. 3.



Attest:

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Inventor:

Henry D. McKinney

UNITED STATES PATENT OFFICE.

HENRY D. MCKINNEY, OF JANESVILLE, WISCONSIN.

IMPROVEMENT IN TOE-WEIGHTS FOR HORSES.

Specification forming part of Letters Patent No. 209,575, dated November 5, 1878; application filed November 30, 1877.

To all whom it may concern:

Be it known that I, HENRY D. MCKINNEY, of Janesville, in the county of Rock and State of Wisconsin, have invented a new and useful Improvement in Toe-Weights for Horses' Feet, which improvement is fully set forth in the following specification and accompanying drawing, in which—

Figure 1 represents a side view of the hoof of a horse's fore foot with my toe-weight attached and in place. Fig. 2 is a side view of the toe-weight detached, showing the adjustable clip and clamp to connect it with the shoe. Fig. 3 is a perspective view of a detached horseshoe with adjustable clip in position.

The object of my invention is to furnish a device by which to attach a toe-weight to a horse's fore feet without straps in such a way as to regulate the action of the feet, and so easily adjusted that weights of different size and gravity may be used with facility and convenience, according to the nature of the defect to be remedied.

In the drawing, A is the weight. B is a horseshoe. C is an adjustable clip, connected to it by the use of a clamped foot, *a*. *b* is the shank of the clip. *c* is the hole to receive the bolt or screw which passes through the weight to secure it to the clip on the fore part of a horse's foot. *d* is a lip turned down over the edge of the shoe. *e* is a lip upon the shank turned up to receive the lower wedge-shaped edge of the weight A.

The adjustable clip C is made attachable to the shoe by means of clamped foot *a*, and held by its wedged formation firmly to it, either with or without bolts or screws, and, when not rigidly secured to the shoe, easily detachable when the shoe is removed. The front of clip C is provided with a lip, *d*, dropping down over the front edge of the shoe, and directly above is another lip turned up to receive the lower edge of the weight A, behind which it rests.

I do not confine myself in the use of weights for horses' feet to the toe, but use them as side and quarter weights; and for the purpose of constructing them so that they can be adjusted to any common horseshoe, the mode of attaching the clip to the shoe by the use of a wedged clamp dispensing with bolts or screws and making them detachable, the above device has been adopted.

This invention is an improvement upon the mode of attaching toe-weights to horses' feet by securing them to the shoe, of which I am the original and first inventor, in Patent No. 165,014, dated June 29, 1875—*toe-weights*.

It has been found that the gait of a horse can be corrected or radically changed, and sometimes his speed greatly increased, by the use of weights; and in training horses it is often convenient to be able to take them off and put them on readily, and with the least possible trouble and also to change them, using heavier or lighter ones at pleasure, and as the case may require; hence the importance of constructing them so that this can be done.

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

1. The combination, with a toe-weight attached to a horse's shoe, of the adjustable clip C, provided with clamped foot *a* to fit onto the shoe, lip *e*, on which the weight rests, and shank *d*, substantially as described and claimed, and for the purposes set forth.

2. Adjustable clip C, provided with a clamped foot, *a*, lips *d* and *e*, and shank *b*, in combination with a horse toe-weight, substantially as described, and for the purposes set forth.

HENRY D. MCKINNEY.

Witnesses:

ED. F. CARPENTER,
S. H. HUDSON.