

P. Laflin, Horse Shoe.

No. 93098.

Patented July 27. 1869.

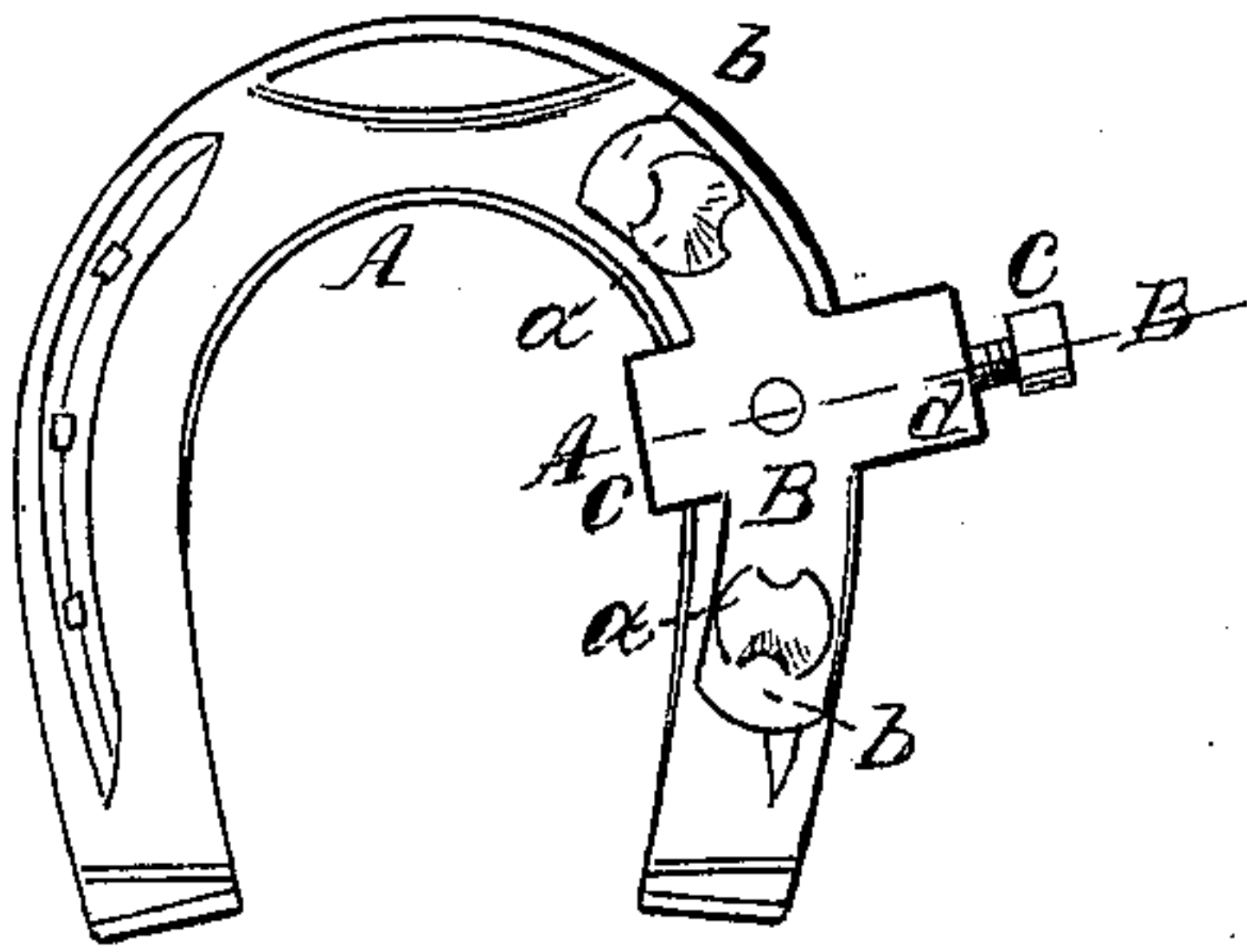


Fig. 1

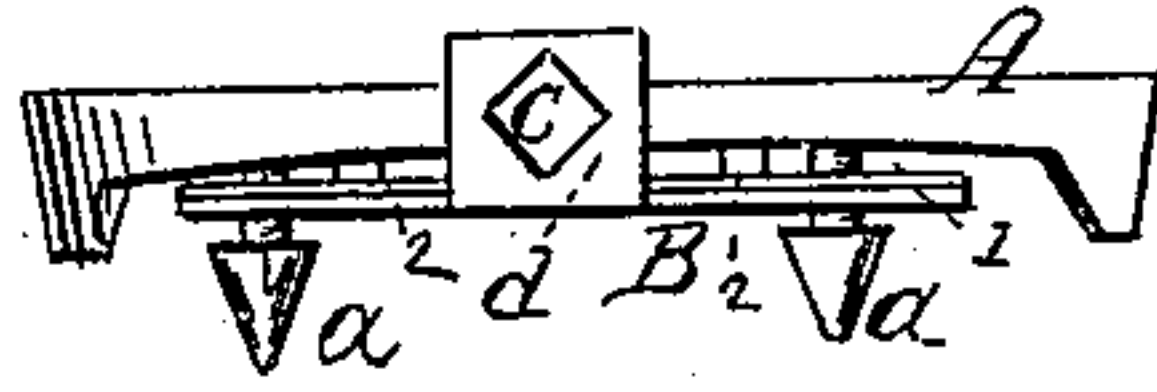


Fig. 2

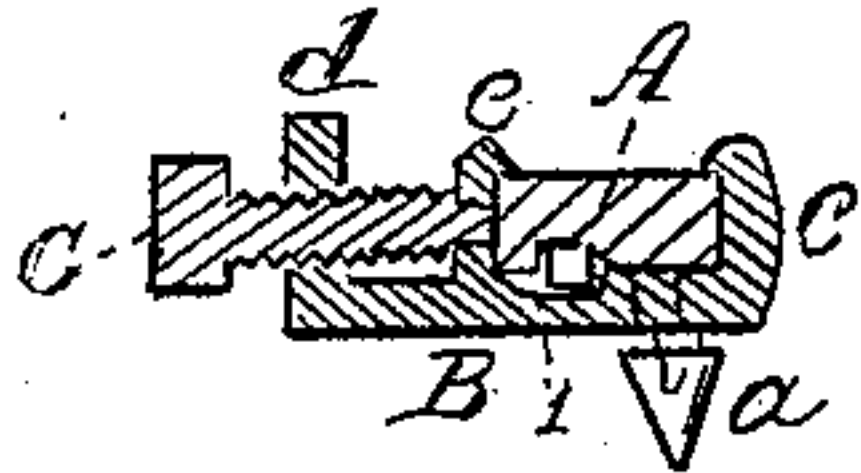


Fig. 3

witnesses
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PERLEY LAFLIN, OF WARREN, ASSIGNOR TO HIMSELF AND Z. E. CARY, OF WEST BROOKFIELD, MASSACHUSETTS.

Letters Patent No. 93,098, dated July 27, 1869.

IMPROVEMENT IN DETACHABLE HORSESHOE-CALKS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, PERLEY LAFLIN, of Warren, county of Worcester, and Commonwealth of Massachusetts, have invented certain new and useful Improvements in Detachable Horseshoe-Calks; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 represents a bottom view of a horseshoe, with my improvements applied thereto;

Figure 2 represents a side view of the horseshoe shown in fig. 1, when the calks are turned down; and

Figure 3 represents a section on line A B, fig. 1.

To enable those skilled in the art to which my invention belongs, to make and use the same, I will describe it more in detail.

The nature of my invention relates to a detachable calk for horse and other shoes, usually applied or secured to the feet of draught-animals, as will be hereafter explained.

In the drawings—

A represents a horseshoe, to which one of my detachable calks is applied.

The calks *a a* are secured to the ends *b b* of the clamp-plate B, from the inner edge of which projects a lip, *c*, which clasps the inner side of the shoe, as fully shown in the drawings, while from the outer edge of the plate projects a right-angled set-screw, supporting piece *d*, through the upright part of which is screwed the set-bolt or screw C, the inner end of the screw C being provided with, or swivelled to a clamping-plate, *e*, which is forced against the outer edge of the shoe, when the calk is applied thereto, as clearly indicated in fig. 3 of the drawings.

The calks *a* may be made of any desired form, and any number may be formed on or secured to the plate B, which practice may prove necessary or proper.

The calks may be applied to both sides of the shoe, if desired.

It will be noticed that a recess or groove, 1, is formed in the upper side of the clamp-plate B, for the reception of the heads 2 of the nails by which the shoe is secured to the foot of the animal.

As the upper edges of the clamping-plate *e* and lip *c* are turned in, they lap over the upper edges of the shoe, when applied as shown in fig. 3, thereby insuring a very firm and secure attachment of the plate B, with its calk or calks *a*, to the shoe.

The advantages of my invention will be readily appreciated, since they can be applied to the shoes in a few minutes, without the use of tools, except a small wrench to turn the set-screw C with.

It often happens that a person travelling is obliged to stop until his horse is newly shod, owing to the sudden formation of ice. The same is true in relation to teams employed in drawing loads. By my invention, it will be seen that the difficulty is obviated, since the detachable calks can be applied, and the journey pursued, or the team driven with perfect safety.

The lip *c* and the clamping-plate *e* may be so made that they will fit equally well thick and thin shoes, or new shoes as well as those which have been worn down thin.

Having described my improved detachable horseshoe-calk,

What I claim therein as new and of my invention, and desire to secure by Letters Patent, is—

1. The combination, with clamp-plate B and set-screw C, of the swivelled plate *e*, substantially as and for the purposes set forth.

2. The detachable calk B, constructed and secured to the shoe in the manner and for the purposes set forth.

PERLEY LAFLIN.

Witnesses:

W. L. POWERS,

N. B. CHADSEY.