

J. LATHROP & F. H. ALLEN.

HORSESHOE.

No. 175,568.

Patented April 4, 1876.

Fig. 1.

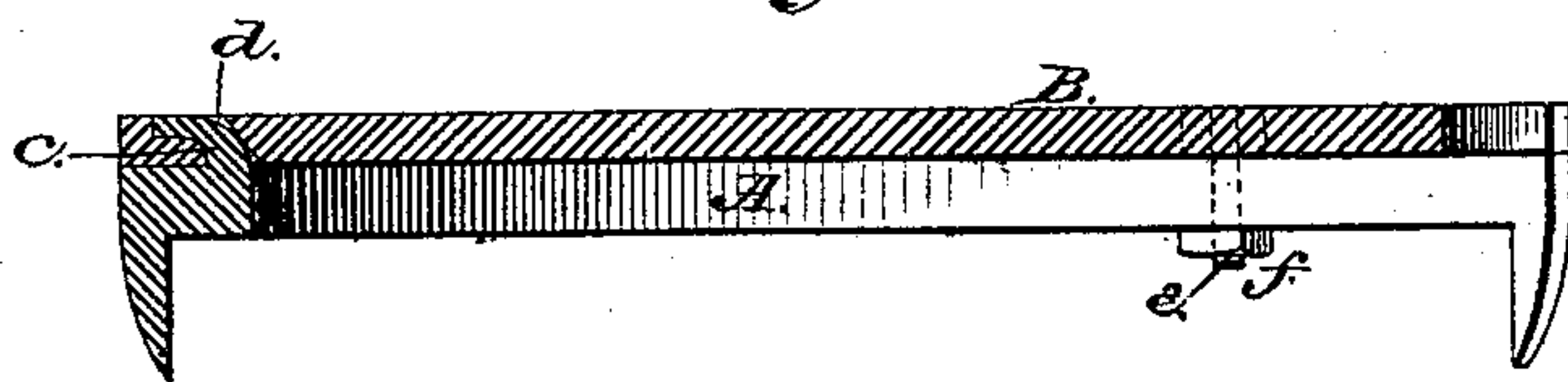
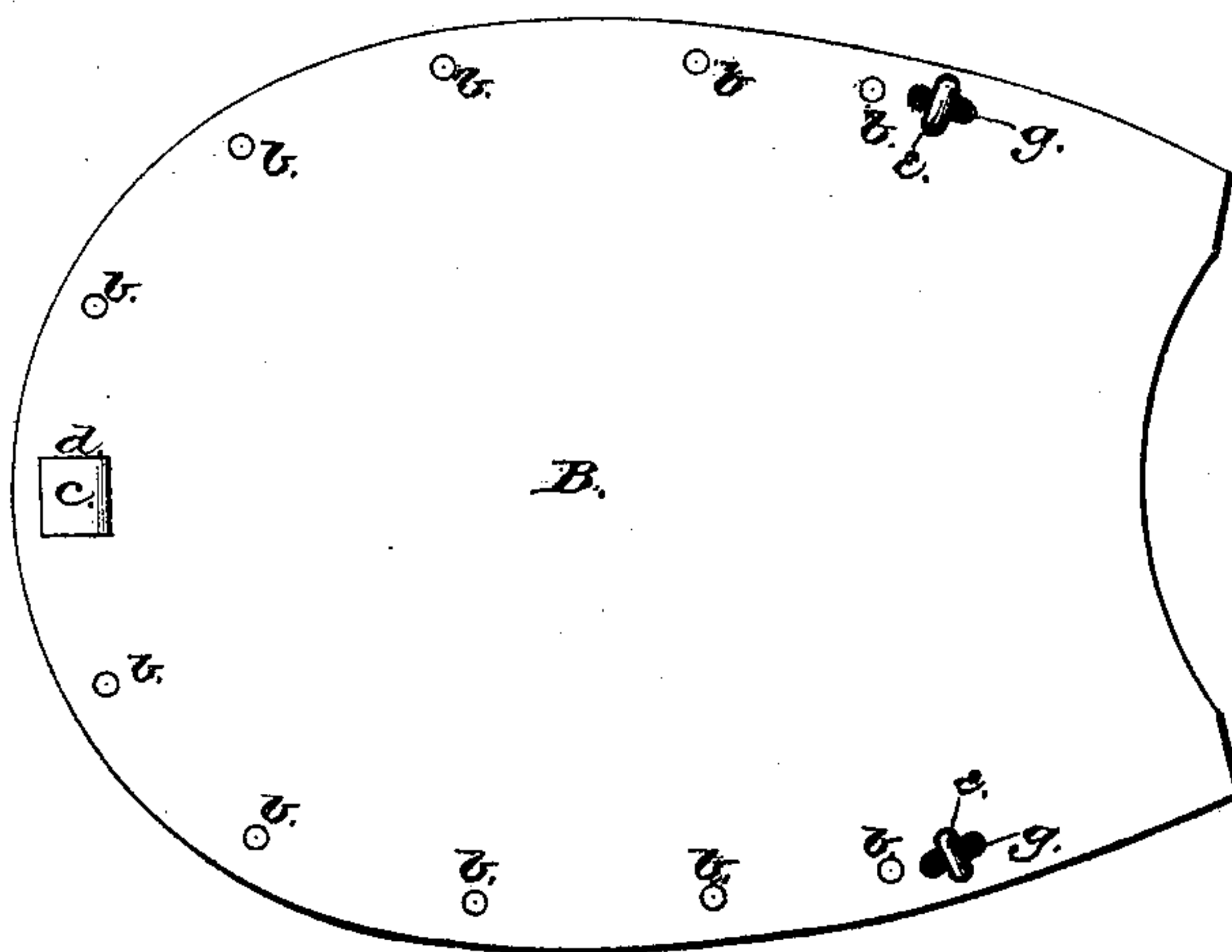


Fig. 2.



Attest:

Saml S Hapkins
Leslie W Birch

Inventors:

James Lathrop
Frank H. Allen.

UNITED STATES PATENT OFFICE.

JAMES LATHROP AND FRANK H. ALLEN, OF NORWICH, CONNECTICUT,
ASSIGNORS OF ONE-THIRD THEIR RIGHT TO JOHN E. WARNER, OF
SAME PLACE.

IMPROVEMENT IN HORSESHOES.

Specification forming part of Letters Patent No. **175,568**, dated April 4, 1876; application filed
January 21, 1876.

To all whom it may concern:

Be it known that we, JAMES LATHROP and FRANK H. ALLEN, both of Norwich, county of New London and State of Connecticut, have invented certain Improvements in Fastenings for Horses' Shoes, of which the following is a specification:

Our improvement consists of a simple and effective method of fastening shoes to the feet of horses, and is so arranged that the shoes may be attached to or removed from a horse's feet by any person in a few moments.

The object of our invention (as well as its value and convenience) would be especially apparent to a man who rises in the morning intending to use his horses either for a business or pleasure trip, but finds, on looking out, that during the night the ground has become covered with sleet and ice. If he has applied the above-named improvement to his horses' feet he can, in a few moments, remove the shoes which are perhaps well-worn and smooth and replace them with a set of sharp ones.

If, on the other hand, the horse is shod in the usual way, he must be led to the blacksmith's shop, thereby exposing him to the danger of breaking a leg on the way, besides waiting, quite often, several hours before the smith (whose shop is full of horses) can attend to his wants.

Figure 1 is a view in section of the shoe and plate, showing the manner in which the shoe is secured to the plate. Fig. 2 is a view of the plate, showing the nail-holes, also showing the openings made to receive the shoe and bolts.

In Fig. 1, A represents the shoe with solid or permanent calks, as usually made, having on its upper side a hook or tongue, *c*.

In Fig. 2, B represents a metallic plate,

which is attached to the horse's foot, in the usual manner, by nails at *b*. At *d*, Fig. 2, is an opening of suitable size and shape to receive the hook *c*, thereby forming a joint which can neither slide sidewise nor lengthwise, nor allow the plate and shoe to be separated when bolted together.

When the shoe and plate have been joined together, as above, they are firmly secured by two or more bolts, *e e*, and the nuts *f f* again secured, if necessary, by a suitable locking device.

The metallic plate B keeps the snow and ice from entering the hoof; also protects the frog and bottom of the foot from small stones, nails, &c.

We do not claim an additional or supplemental shoe, as the plate B is an escutcheon or locking-plate attached to the foot, (to be removed only when the hoof needs paring,) and its special object is to hold the shoe firmly on the foot, at the same time allowing the shoe to be removed or applied at pleasure, and is not to be used at any time as a shoe.

We claim—

1. The metallic plate *b*, with opening *d* and slots *g g*, as described, and for the purpose specified.

2. In combination with the metallic plate B, the shoe A, with solid or fixed calks, the hook or projection *c*, and the bolts *e e*, as arranged, and for the purpose specified.

In witness whereof we have hereunto set our hands and seals this 20th day of January, 1876.

JAMES LATHROP. [L. S.]
FRANK H. ALLEN. [L. S.]

In presence of—

SAML. S. HOPKINS,
LESLIE W. BEACH.