

G. Sewell,
Horseshoe.

N^o 62,076.

Patented Feb. 12, 1867.

Fig. 3.

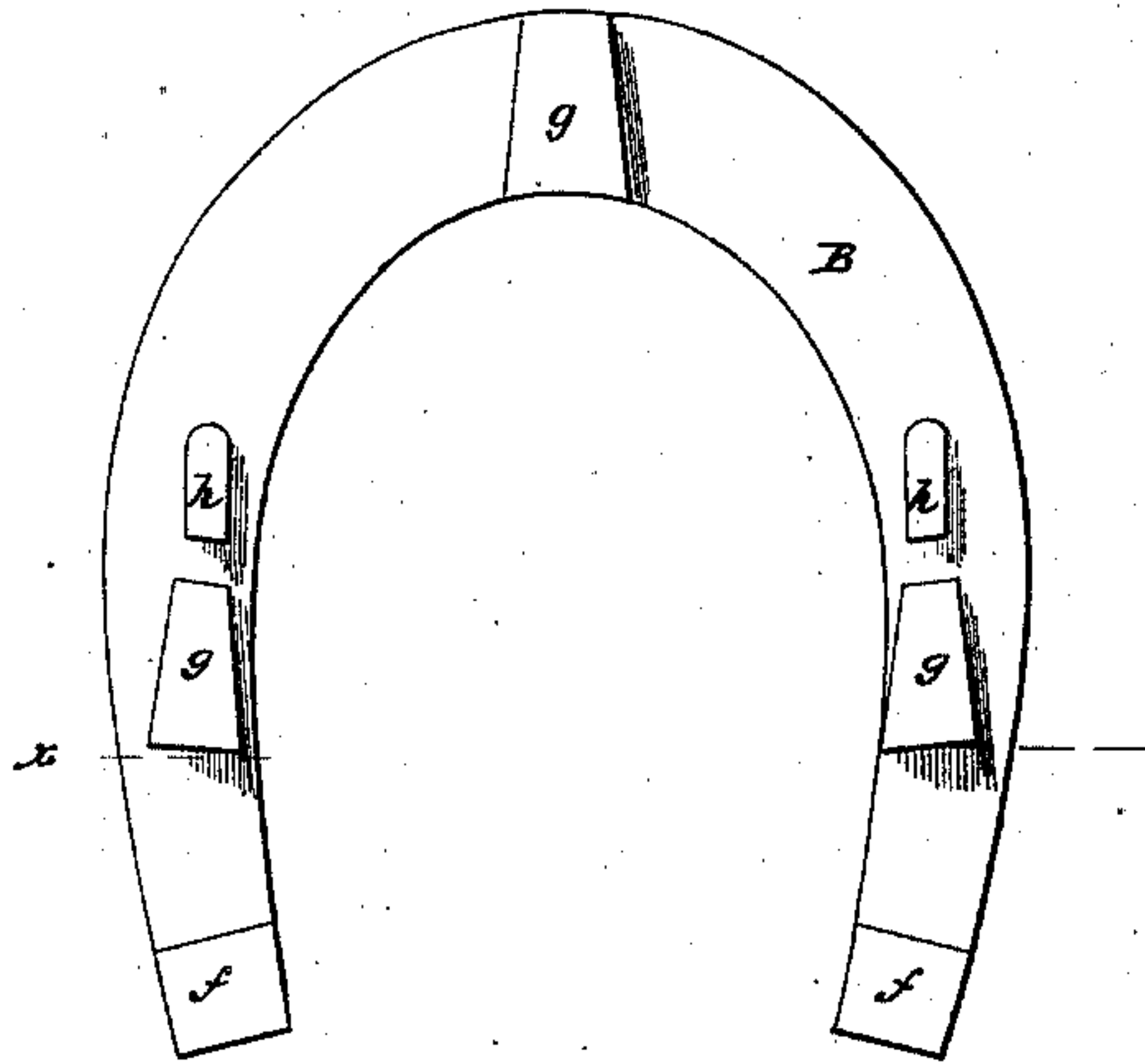


Fig. 4.

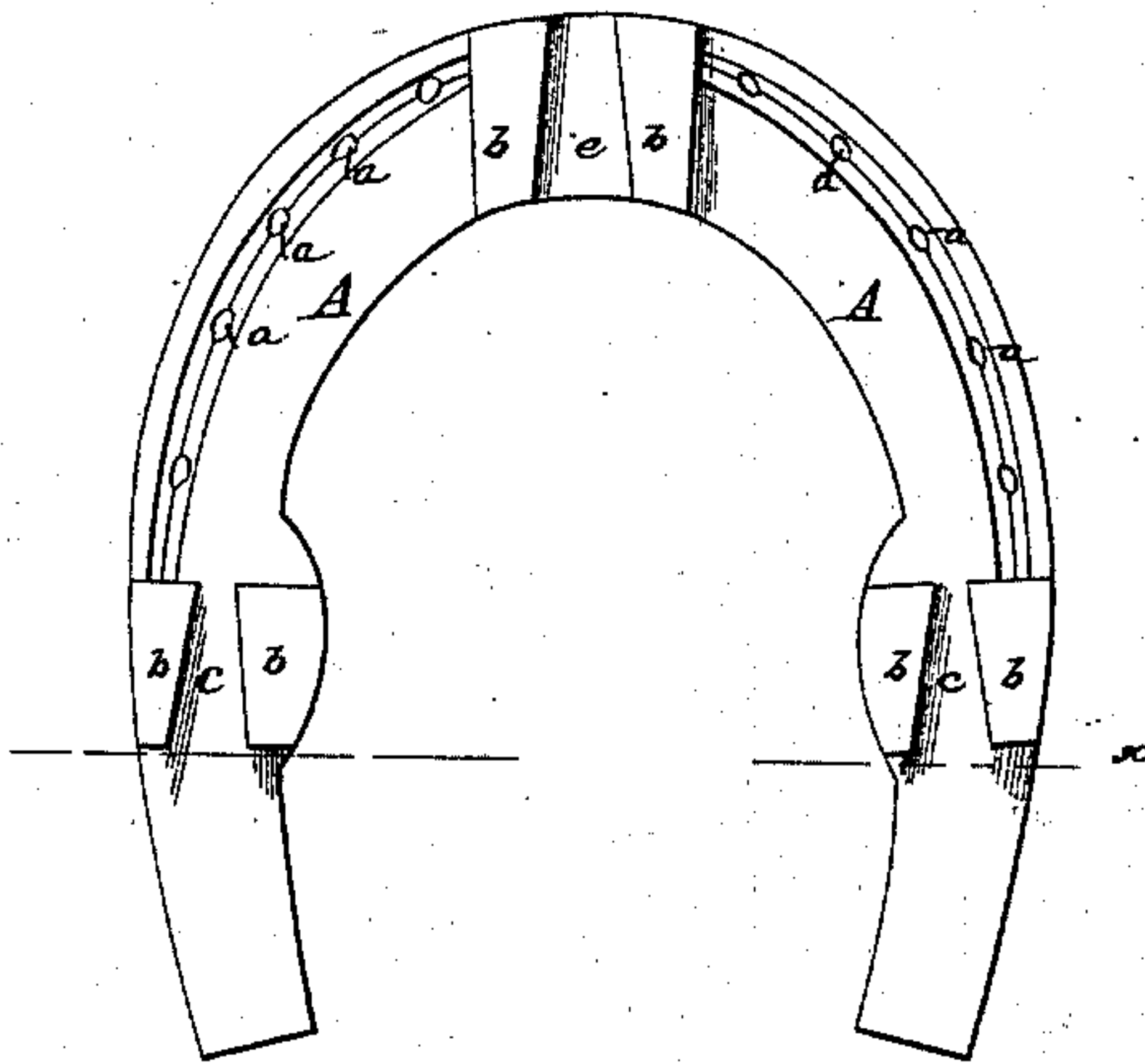


Fig. 1.

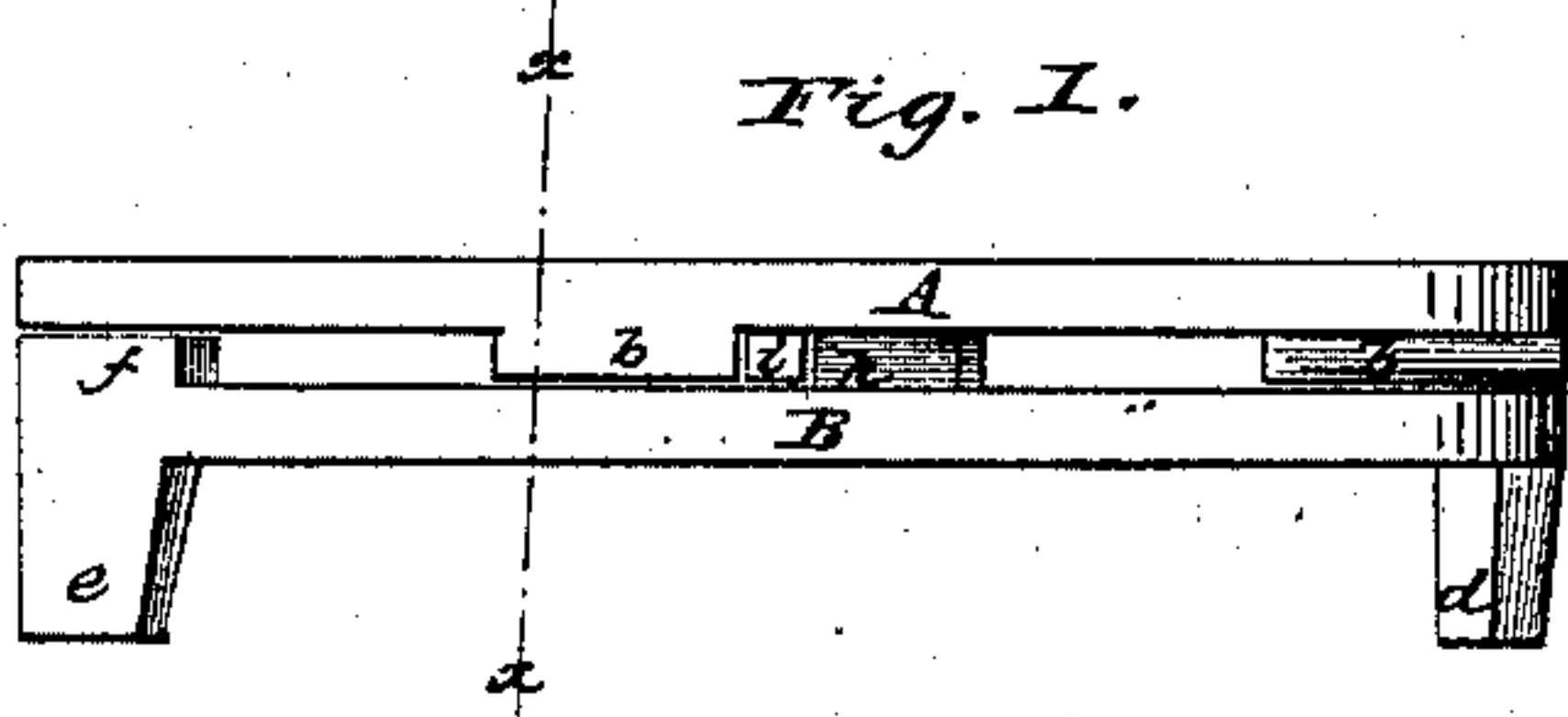
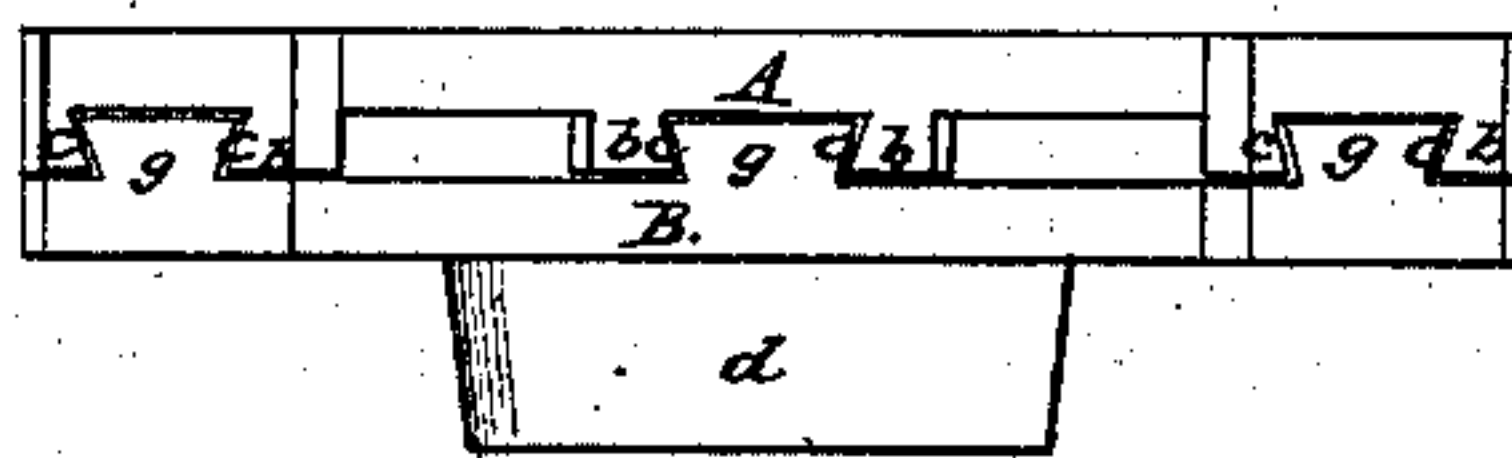


Fig. 2.



Witnesses:

J. M. Connelley
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United States Patent Office.

GEORGE SEWELL, OF POUGHKEEPSIE, NEW YORK.

Letters Patent No. 62,076, dated February 12, 1867.

IMPROVEMENT IN HORSE-SHOES.

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, GEORGE SEWELL, of Poughkeepsie, in the county of Dutchess, and State of New York, have invented certain new and useful Improvements in 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 accompanying drawings, in which—

Figure 1 is an edge view of a horse-shoe constructed according to my invention.

Figure 2 is a vertical transverse section of the same taken in the line *xx* of figs. 1, 3, and 4.

Figure 3 is a plan view of one portion of the same.

Figure 4 is an inverted plan view of another portion of the same.

Similar letters of reference indicate corresponding parts in all the figures.

This invention consists in the construction of a horse-shoe with a supplemental detachable portion, whereby that part of the shoe liable to being worn away by use may be readily replaced when desired, without the necessity of removing the entire shoe from the horse's hoof. The invention further consists in a novel means of attaching such supplemental portion to the other part of the shoe, whereby the said attachment is rendered very secure as well as capable of being made with great facility and convenience.

To enable others to understand the nature and construction of my invention, I will proceed to describe it with reference to the drawings.

A represents the upper portion of the shoe, which is designed to be attached to the hoof of the horse in the same manner as an ordinary horse-shoe, by means of nails passing through the nail holes *a*. Formed upon the flat lower surface of this upper portion A of the shoe, one at each side, and one at the toe or forward end thereof, is a broad downwardly projecting extension, *b*, the lower surface of which is flat, and formed in which, in a position lengthwise of the shoe, is a tapering dove-tail groove or socket, *c*, the rearmost end of which is wider than its forward end. The lower or supplemental portion of the shoe is shown at B. and in its inner and outer circumference corresponds in shape with the upper part A of the shoe. This supplemental portion B is furnished with a toe-calk, *d*, and with heel-calks, *e*, of any ordinary or suitable form and construction, while its upper surface is flat to correspond with the lower surface of the part A, but furnished at each of its heel portions with a low projection, *f*, the upper surface of which is broad and flat. Formed upon the aforesaid upper surface of the supplemental part B, one at each side, and one at the forward end or toe thereof, is a tapering dove-tail, *g*, the said dove-tails being of such size and shape, and so situated upon the aforesaid part B, that the said part being placed under the part A and pushed forward, the dove-tails *g* will enter and be fitted into the dove-tail sockets *c*, and thus attach the portion B to the part A, with the rear extremities of the part A resting upon the flat upper sides of the projections *f*, in order that they may be supported thereby when the shoe is in use. Formed upon the upper surface of the part B, in front of the extensions *b*, situated at the sides thereof, as hereinbefore described, and at a little distance from the said extensions, is an upwardly projecting spur, *h*. The lower part B being attached to the upper part A of the shoe, as just set forth, a key, *i*, is passed in transversely behind each of the spurs *h*, or in other words between the said spurs and the downwardly projecting extension *b*, situated a little distance in the rear thereof, and thus firmly lock the supplementary part B in place upon the upper part A; any forward movement of the part B being prevented by the dove-tail form of the sockets *c*, and the dove-tails *g* fitted into them, and any backward movement thereof being effectually prevented by the transverse keys *i*, at the same time that by removing the said keys the supplementary portion B may be readily and easily removed, when required, from the upper part A attached to the hoof of the horse, as, for instance, when it is desired to sharpen the calks *d* and *e*. In the making or manufacture of the two portions A and B of the shoe, it is much preferred to cast them of steel, but any other suitable metal, such, for instance, as malleable cast iron may, if desired, be used in their construction.

What I claim as new, and desire to secure by Letters Patent, is—

1. The construction of a horse-shoe with a supplementary detachable portion B, substantially as herein set forth for the purpose specified.

2. The attachment of the supplementary portion B to the part A of the shoe, by means of the tapering dove-tails *g*, tapering dove-tail sockets *c*, spurs *h*, and keys *i*, arranged in relation with each other substantially as herein set forth.

GEO. SEWELL.

Witnesses:

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