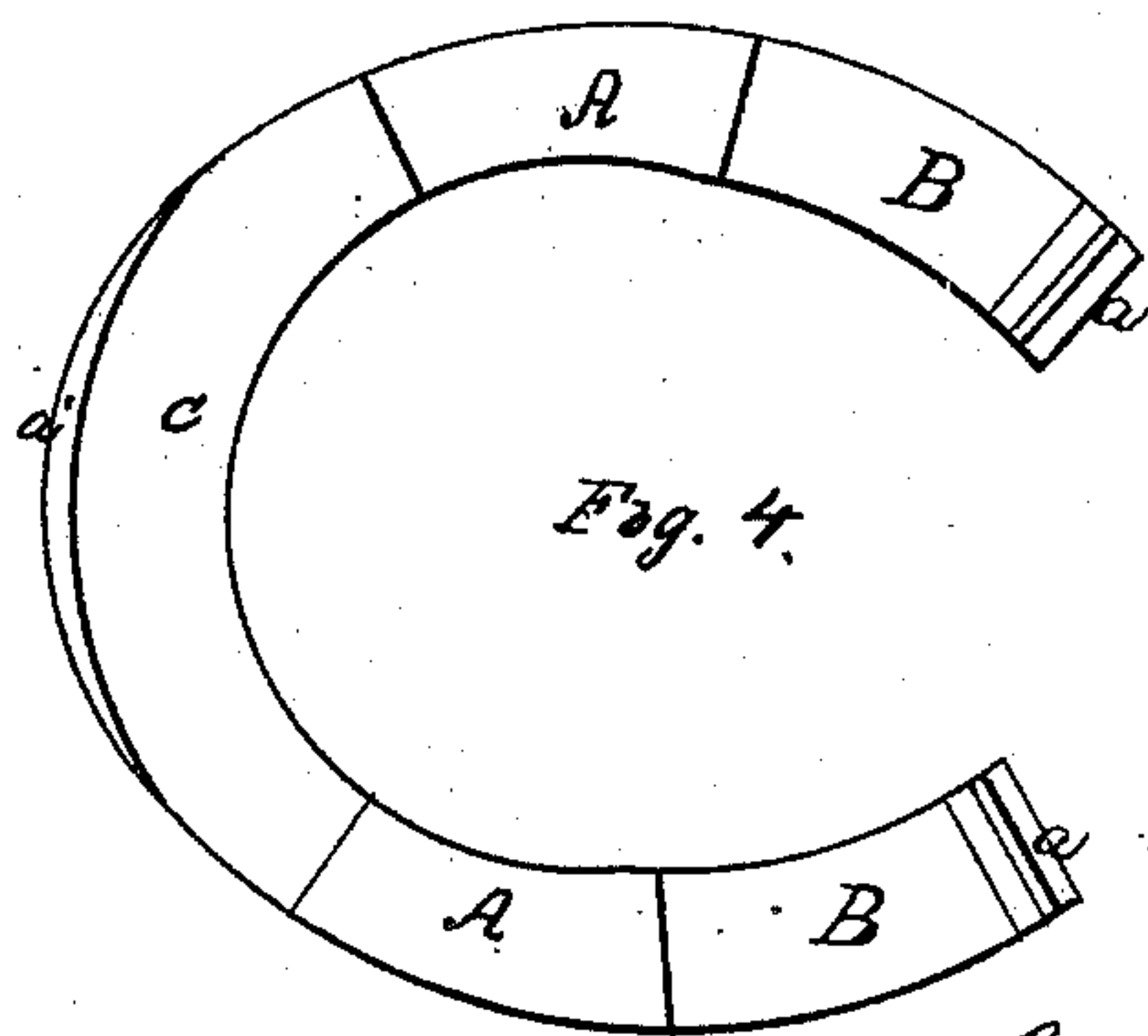
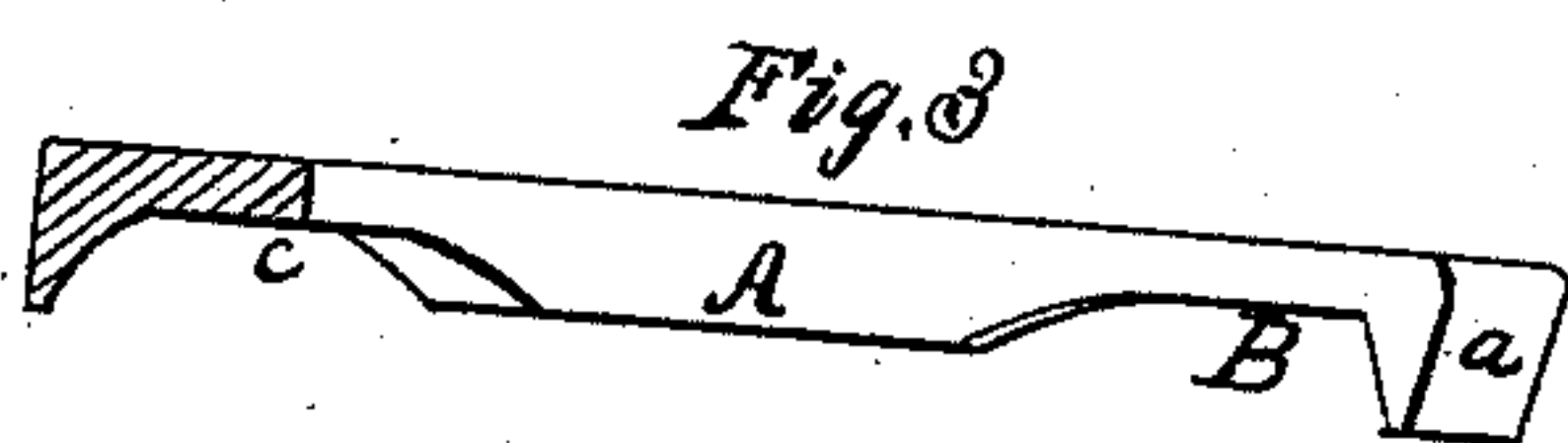
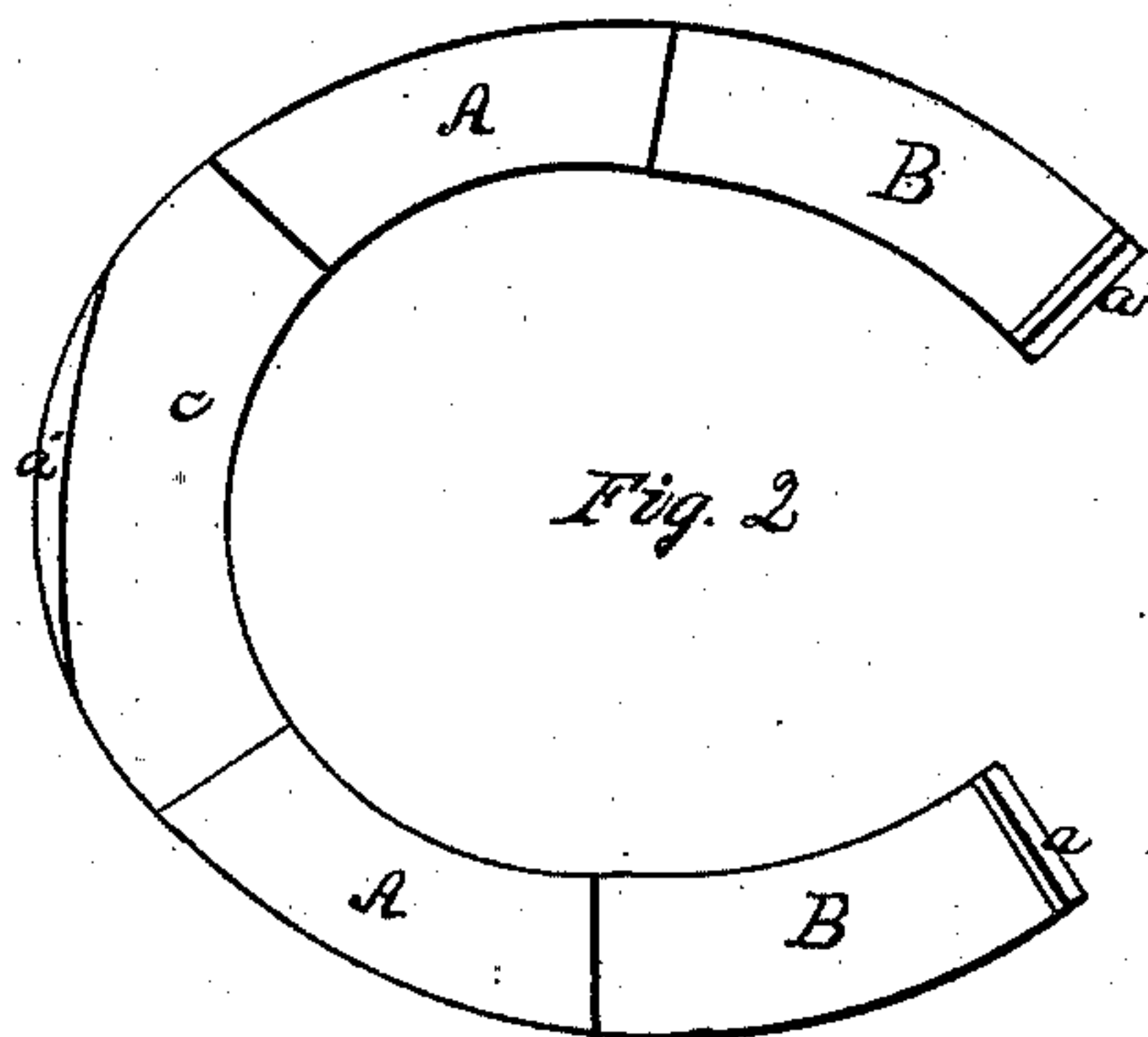
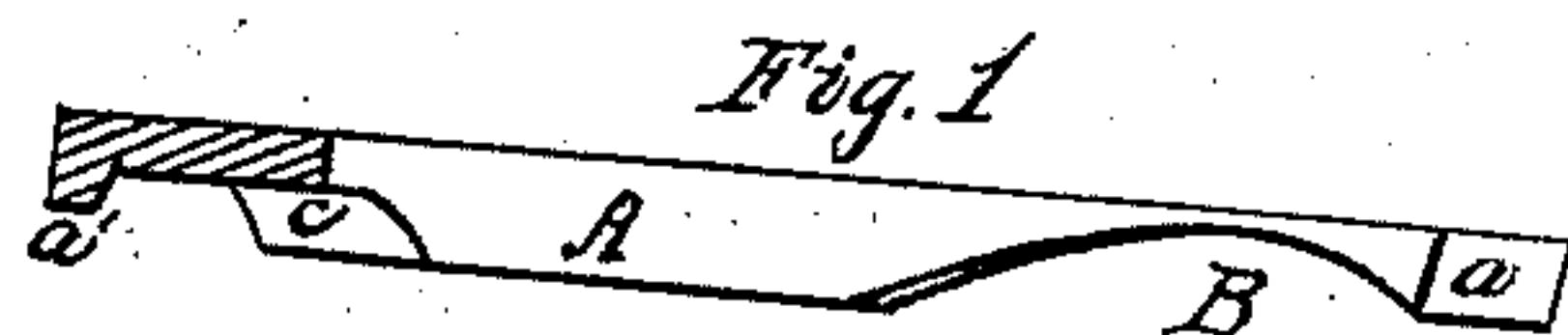


A. S. Wilkinson,

Horseshoe.

N^o 57,030.

Patented Aug 7, 1866.



Witnesses.

*W. Reed
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UNITED STATES PATENT OFFICE.

ALBERT S. WILKINSON, OF PAWTUCKET, RHODE ISLAND.

IMPROVEMENT IN HORSESHOES.

Specification forming part of Letters Patent No. 57,030, dated August 7, 1866.

To all whom it may concern:

Be it known that I, ALBERT S. WILKINSON, of Pawtucket, Providence county, State of Rhode Island, have invented a new and Improved Rolling Horseshoe; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to new and useful improvements in rolling shoes for horses and other animals; and it consists in a shoe-plate made fair and straight upon its upper surface and the lower surface hollowed out or cut away at the front and rear of the shoe in such manner as to give the lower face of the shoe, in general complexion, a rolling form, while a portion of the said plate or shoe at the toe and heel is allowed to remain and form calks, when taken in connection with the said indentations in the lower face of the shoe.

Having described the nature of my invention, I will proceed to describe its construction and operation.

Figure 1 is a central longitudinal vertical section of one form of this shoe, and Fig. 2 is a bottom view of the same. Fig. 3 is a central longitudinal vertical section of a modification of my improvement, and Fig. 4 is a bottom view of the same.

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

A, Fig. 1, is the plate of the shoe, which is cut away on its lower side at the heel, as shown by B, and at the toe, as shown by C, so that in general shape the lower face of the shoe is convex and gives a rolling bottom face. The

shoe-plate A is allowed to project downward at the heel for forming heel-calks *a*, and also at the front edge of the shoe, so as to form a toe-calk, *a'*. In this modification the calks *a' a a* do not project down quite as far as the lower face of A, and this gives the shoe a slight rolling movement when used on hard roads or on pavements, and the calks *a' a a* are brought into action by the rolling of the shoe.

Figs. 3 and 4 show a modification in which the calks *a' a a* are allowed to project slightly below the lower face of the plate or shoe A, and its rolling properties have play only on soft roads.

By these means I obtain all of the desirable qualities of a rolling shoe in a simple and efficient form for either hard or soft roads, and in such manner that the horse is not stilted up from the ground by the calks of the shoe, as ordinarily, but a large surface of the shoe-plate is brought to bear, and as the leg of the animal becomes inclined to such an angle that the foot is liable to slip, then the calks are brought into action.

Some of the forms afford an easy and comfortable shoe for light summer use, while the modifications shown by Figs. 3 and 4 are also available as a heavy working shoe.

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

A round-bottom or rolling shoe, A, having a toe-calk, *a'*, or having toe and heel calks *a' a a*, substantially in the manner and for the purpose set forth.

ALBERT S. WILKINSON.

Witnesses:

WILLIAM W. READ,
W. W. BLODGETT.