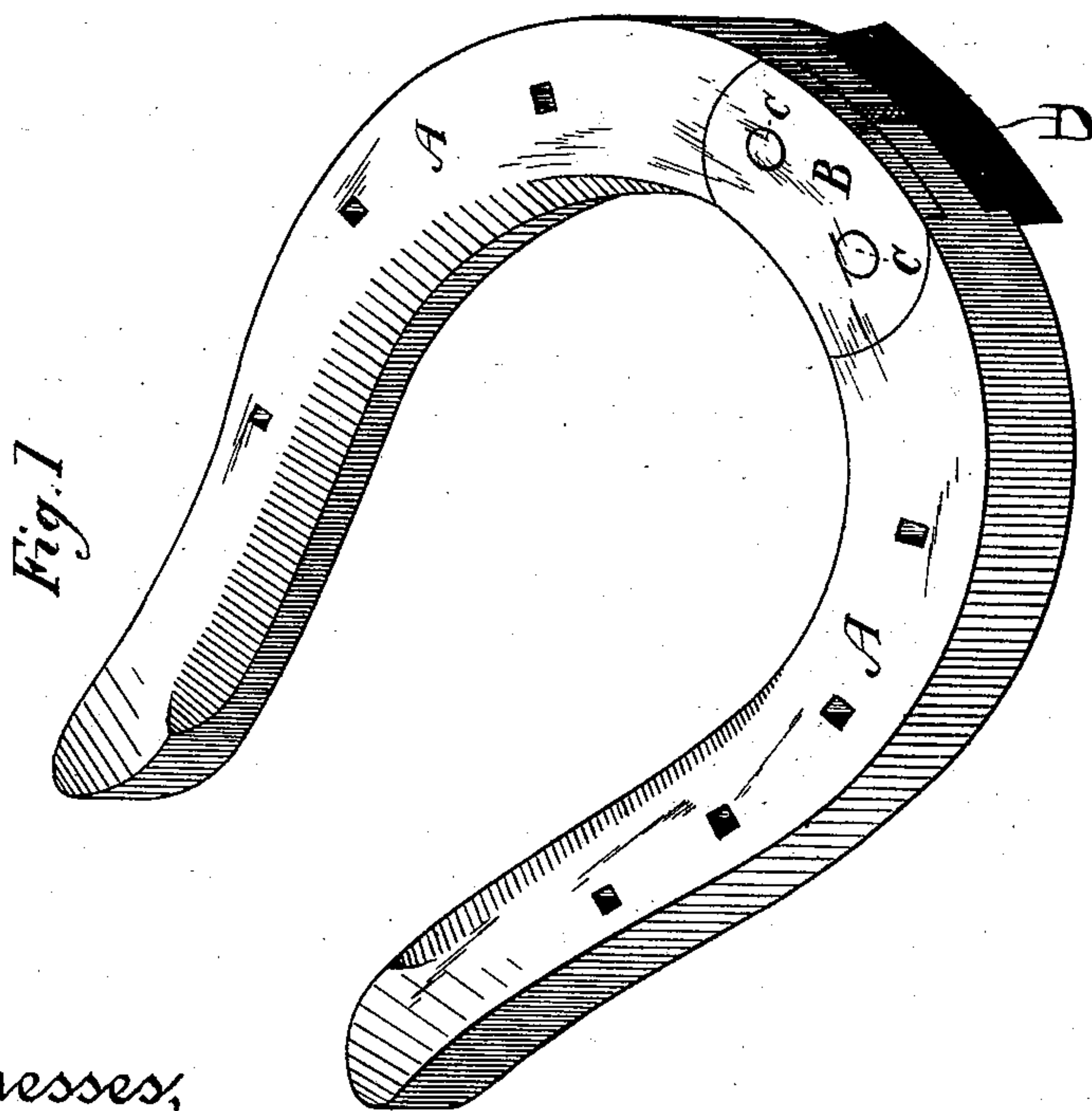
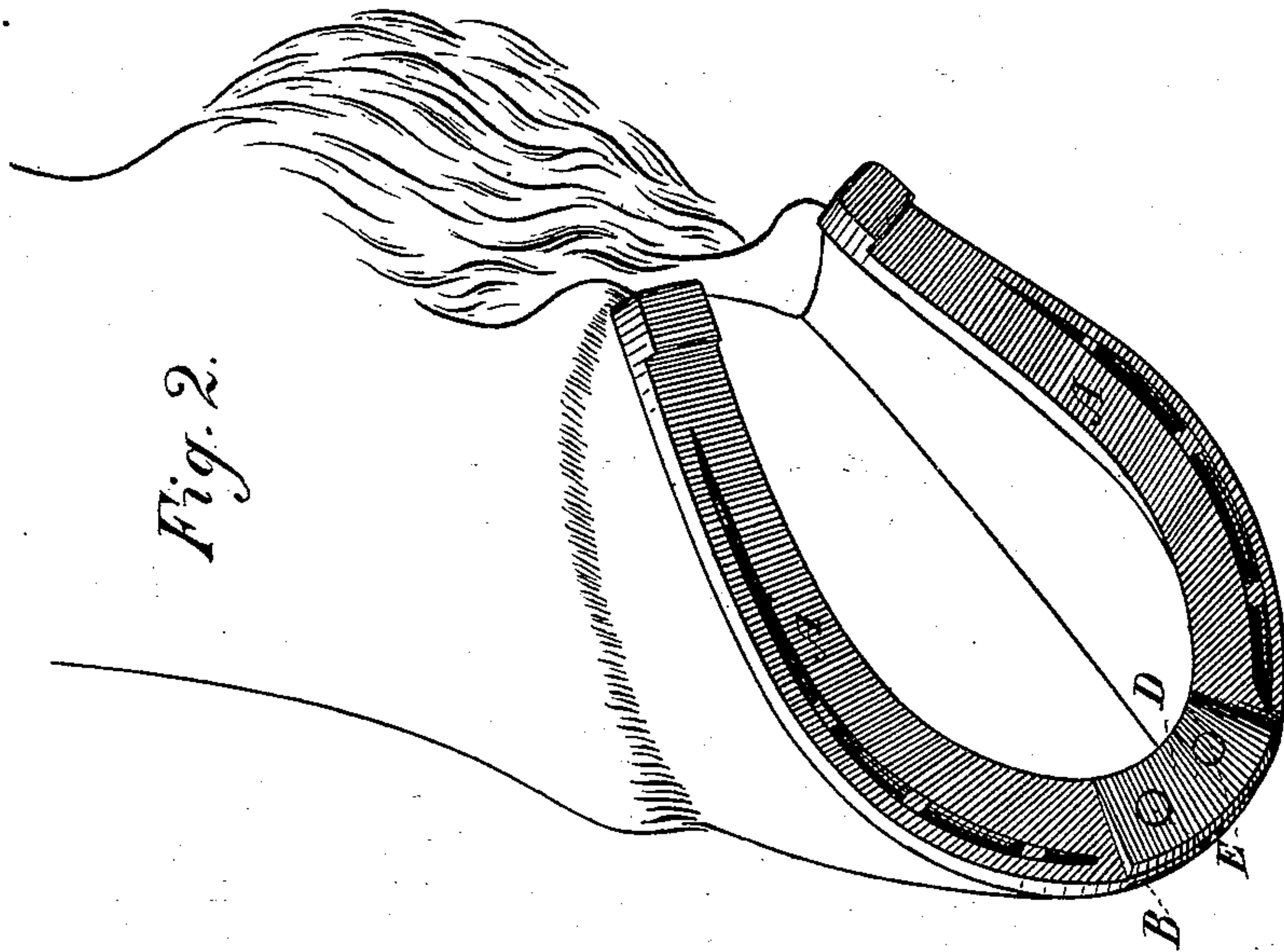


(No Model.)

C. C. ALLEN.
EXPANDING HORSESHOE.

No. 322,671.

Patented July 21, 1885.



Witnesses,
Geo. H. Strong.
J. B. Nurse.

Inventor,
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By
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attorneys

UNITED STATES PATENT OFFICE.

CHARLES C. ALLEN, OF SALINAS, CALIFORNIA, ASSIGNOR OF ONE-HALF TO
N. A. DORN, OF SAME PLACE.

EXPANDING HORSESHOE.

SPECIFICATION forming part of Letters Patent No. 322,671, dated July 21, 1885.

Application filed July 18, 1884. (No model.)

To all whom it may concern:

Be it known that I, CHARLES C. ALLEN, of Salinas city, county of Monterey, and State of California, have invented an Improvement in Expanding Horseshoes; and I hereby declare the following to be a full, clear, and exact description thereof.

My invention relates to that class of horseshoes jointed at the toe and adapted to expand, whereby contraction of the hoof is prevented.

My invention consists in a two-part shoe, jointed together at the toe by a plate or strip on the upper side and a toe-calk on the lower side, both plate and calk being pivoted to each part of the shoe, as I shall describe.

The object of my invention is to provide an expanding shoe having a double joint at the toe, formed below with the toe-calk and above with a plate, which strengthens the joint and prevents sand from working in under the hoof.

Referring to the accompanying drawings, Figures 1 and 2 are perspective views of my device.

A is the shoe, made in two equal parts. B is a small plate or strip of any suitable form and thickness. This lies upon the upper or inner surface of the shoe at the toe, and crosses the line of the meeting edges of the two parts. Its ends are preferably rounded, and the shoe is cut out to allow the plate to lie flush in its seat. Short pivot-bolts C pass through this plate into each part of the shoe, and the heads of the bolts are countersunk.

The object of the plate B is to prevent sand from working up under the hoof, and also to strengthen the joint which the parts of the shoe form with the toe-calk D. This toe-calk lies under the shoe, and is pivoted to each part thereof by bolts E.

I am aware that it is not new to pivot the parts of a shoe to a plate on the upper surface, nor to a toe-calk on the under surface; but I am not aware that both plate and calk have ever been used in the same shoe, and therefore I confine myself to the presence of both, as enabling me to make a strong and durable joint and a perfect shoe, adapted to expand and to prevent sand from working in under the hoof.

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

The expanding horseshoe A, made in two equal parts, in combination with the toe-calk D under the shoe, and pivoted to each part, and the plate B on the upper surface of the toe of the shoe and pivoted to each part, substantially as and for the purpose herein described.

In witness whereof I have hereunto set my hand.

CHARLES C. ALLEN.

Witnesses:

W. R. WILLIAMS,
W. J. SMITH.