

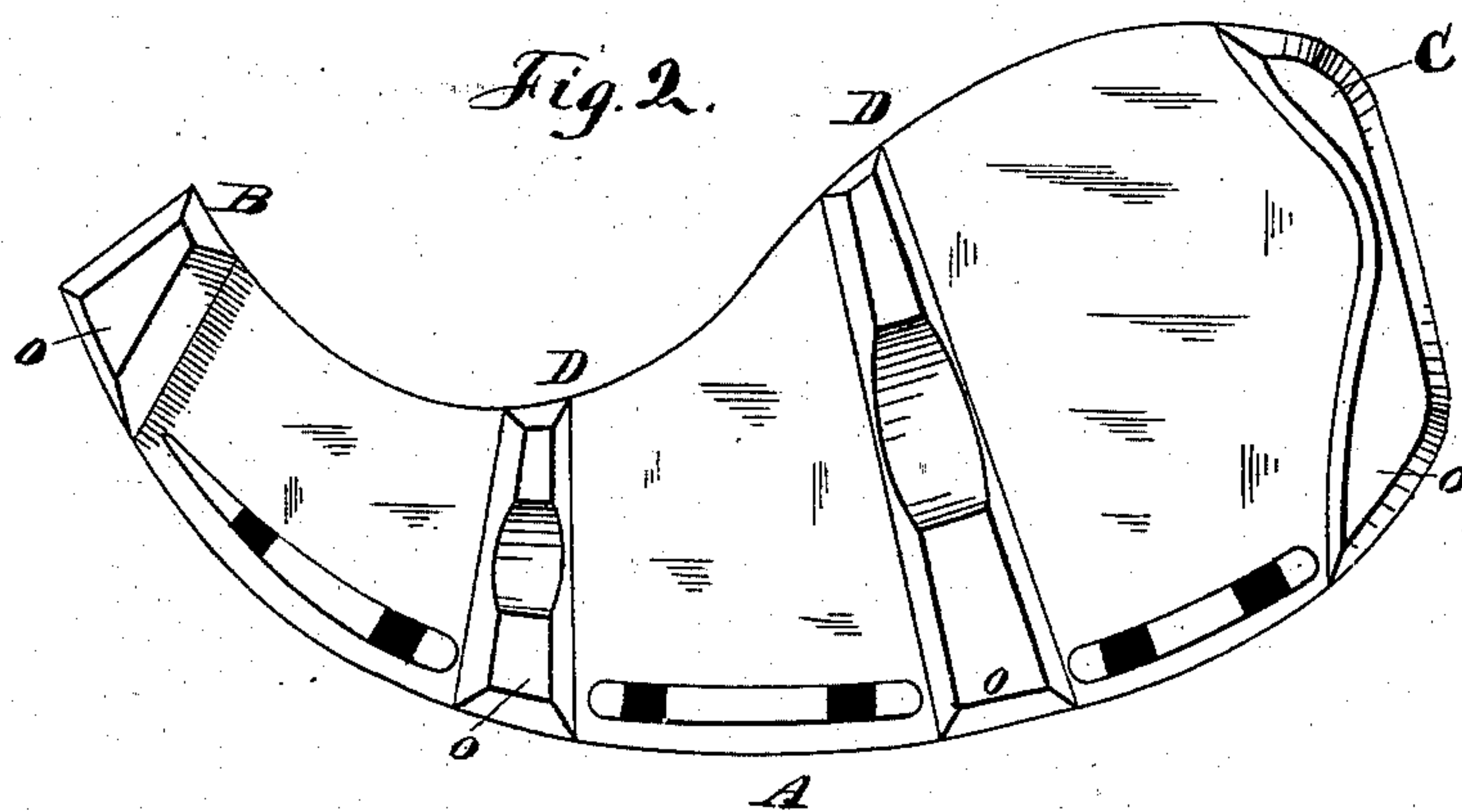
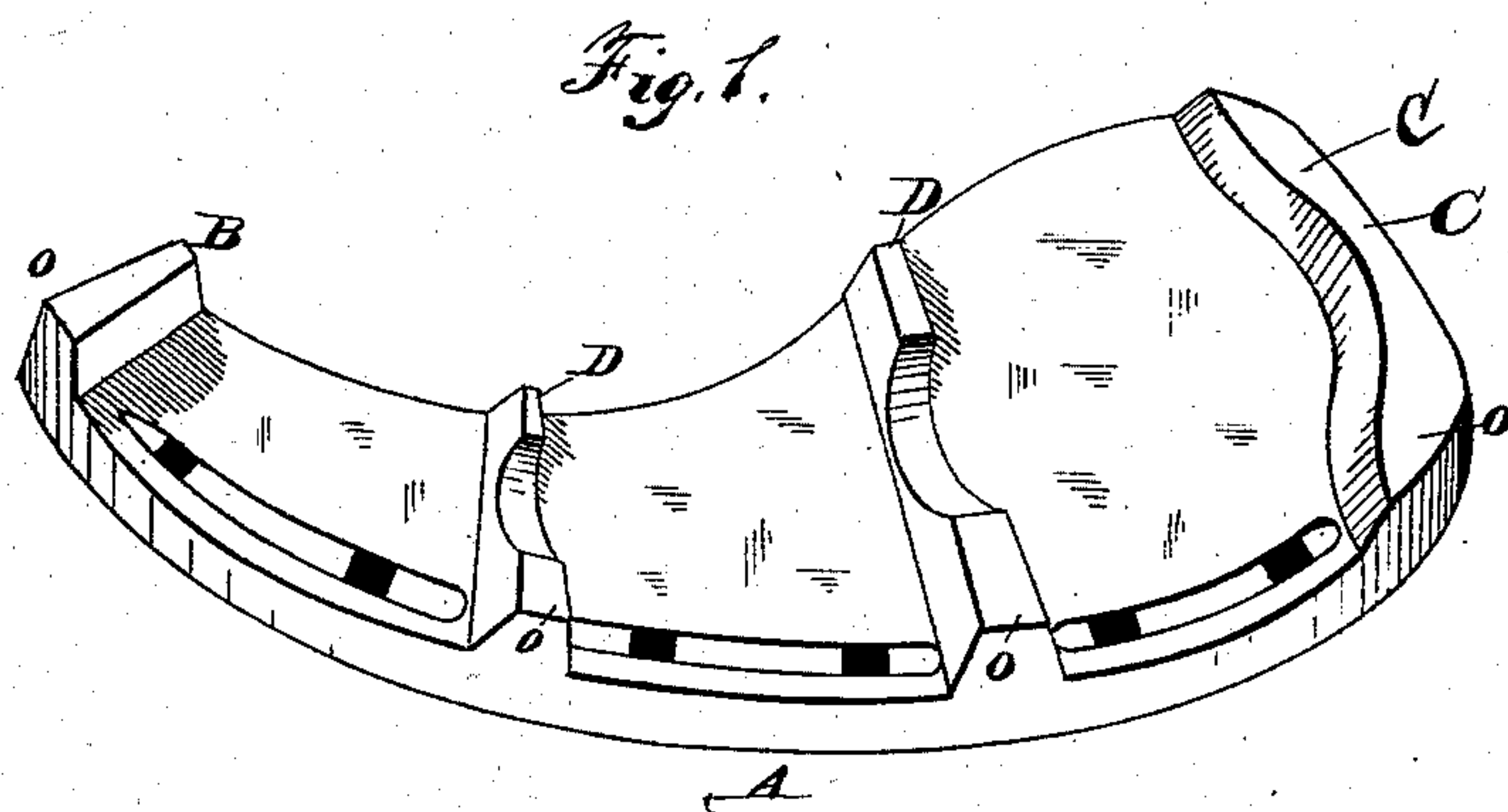
(No Model.)

A. SANFORD.

OX SHOE.

No. 258,321.

Patented May 23, 1882.



Attest
J. H. Knight
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Inventor
Albert Sanford.
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UNITED STATES PATENT OFFICE.

ALBERT SANFORD, OF OSHKOSH, WISCONSIN.

OX-SHOE.

SPECIFICATION forming part of Letters Patent No. 258,321, dated May 23, 1882.

Application filed March 25, 1882. (No model.)

To all whom it may concern:

Be it known that I, ALBERT SANFORD, of Oshkosh, in the county of Winnebago and State of Wisconsin, have invented certain new and useful Improvements in Ox-Shoes; and I do hereby declare the following to be 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 is a perspective view of a shoe constructed in accordance with my invention. Fig. 2 is a bottom plan view of the same.

Similar letters of reference in the several figures denote the same parts.

On the 10th day of August, 1880, a patent was granted me for an improved ox-shoe. This shoe has become extensively introduced, and has become to be regarded as a valuable improvement upon shoes previously manufactured.

In examining shoes of this class that have been worn a considerable time I have found that the greatest wear takes place along the outer edge of the shoe, including the outer portion of the toe and heel calks and the outer portion of the intermediate calk or calks, while the inner portion of the calks gives but little evidence of wear. These investigations have resulted in a change of structure in the shoe, which I have found from practical test to increase the durability of the shoe in a marked degree. The change referred to consists in forming all the calks of the shoe broader or

thicker laterally at their outer portions than at their inner portions, which gives a broader and more lasting wearing-surface at the part where the most wear comes. The wearing down of the outer portion of the intermediate calk or calks without a corresponding wear of the inner portion of the same necessarily increases the difficulty my original invention was intended to overcome—namely, the outward rolling or spreading of the animal's foot—and in a measure defeats the end sought to be obtained by the employment of the intermediate calks. The value of the present invention will therefore be appreciated.

Referring to the drawings, A represents the body of the improved shoe; B, the toe-calk; C, the heel-calk, and D the intermediate calks. All the calks, it will be observed, are much thicker and broader at their outer portions, than elsewhere, thus giving increased bearing-surface, as well as a wearing-surface of greater resistance.

Having thus described my invention, I claim as new—

An ox-shoe having toe and heel calks and one or more intermediate calks extending transversely across the shoe, all said calks being broader or laterally wider at their outer portions than elsewhere, substantially as described, for the purpose specified.

ALBERT SANFORD.

Witnesses:

H. B. HARSHAW,
C. P. LOVELL.