(No Model.)

J. N. CLARKE.

HORSESHOE.

No. 285,573. Patented Sept. 25, 1883.

FIG. 1.

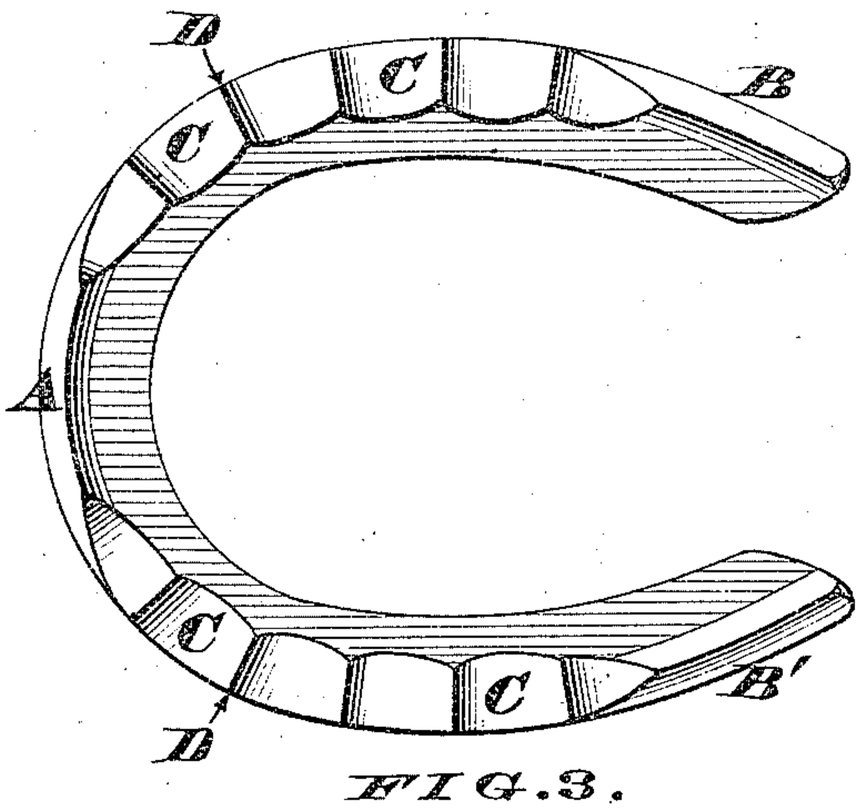

FIG. 2.

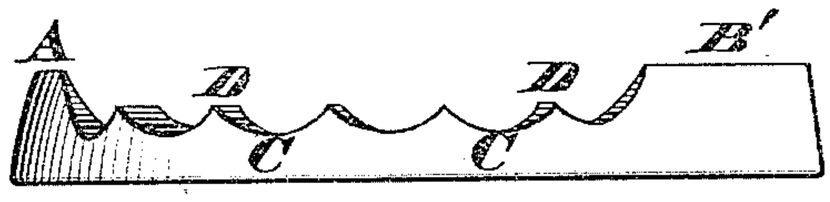

FIG. 3.

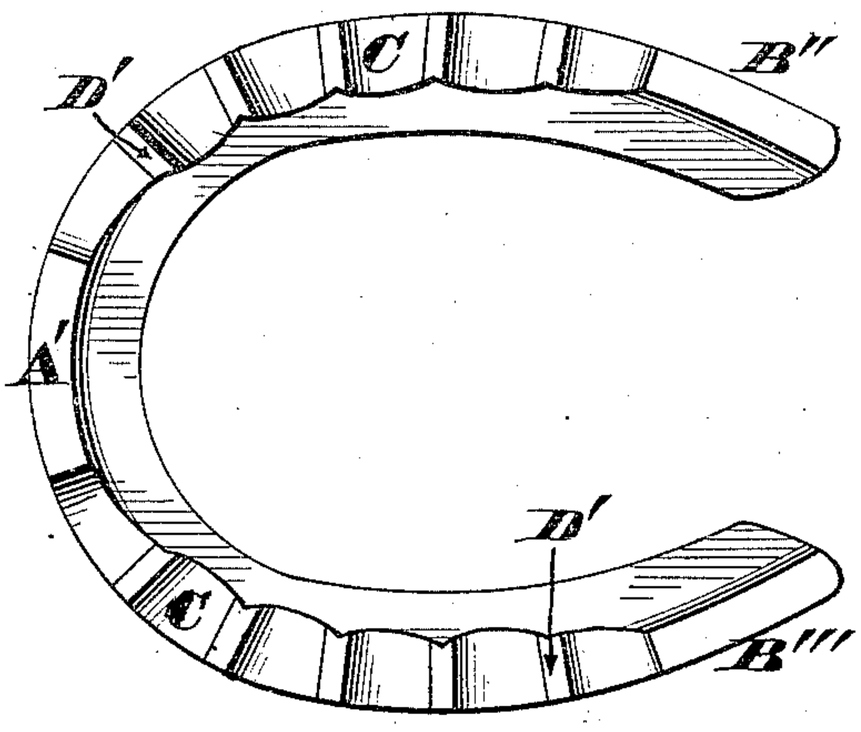

FIG. 4.

FIG. 5.

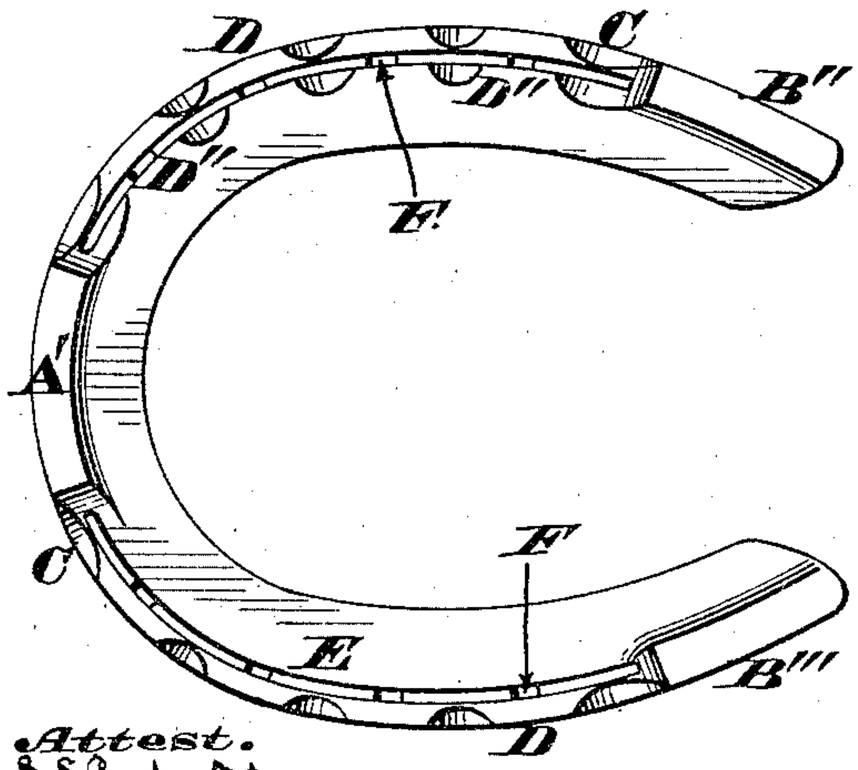

FIG. 6.

Attest.
S. S. Carpenter
C. Moorath,

Inventor:
John N. Clarke
by James N. Layman
Atty.

UNITED STATES PATENT OFFICE.

JOHN N. CLARKE, OF CINCINNATI, OHIO, ASSIGNOR OF TWO-THIRDS TO SAMUEL T. J. COLEMAN AND EDMUND B. REYNOLDS, OF SAME PLACE.

HORSESHOE.

SPECIFICATION forming part of Letters Patent No. 285,573, dated September 25, 1883.

Application filed July 18, 1883. (No model.)

To all whom it may concern:

Be it known that I, JOHN N. CLARKE, a citizen of the United States, residing at Cincinnati, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Horseshoes, of which the following is a specification, reference being had therein to the accompanying drawings.

The object of this invention is to increase the utility of the peculiar form of horseshoe seen in Letters Patent No. 254,534, issued March 7, 1882. The shoe described in said patent is constructed with heel and toe calks united with uninterrupted marginal ridges of less height than said calks; but practical experience has demonstrated the fact that for some purposes the shoe will be rendered more efficient by breaking up the continuity of said marginal ridges. I accordingly corrugate these ridges, the corrugations being disposed either transversely or marginally of the shoe, and the ridges that separate each individual flute or corrugation being either sharp or truncated, as hereinafter more fully described. Furthermore, the shoe, whether corrugated transversely or marginally, may be provided with a customary crease or "fuller" to protect the nail-heads, the holes for which can be either punched in the shoe, or their proper position may simply be indicated with small pits in said crease, as hereinafter more fully described.

In the annexed drawings, Figures 1, 3, and 5 are plans of three different forms of my horseshoe, and Figs. 2, 4, and 6 are side elevations of the same.

As seen in Fig. 1 the shoe is shown provided with a sharp toe-calk, A, a pair of similar heel-calks, B B′, and a series of flutes or corrugations, C, the ridges D, separating the latter, being sharp, and being disposed transversely or radially of the shoe. Reference to Fig. 2 shows that said ridges D are all in the same plane, but not on a level with the toe and heel calks.

As seen in Fig. 3, the toe and heel calks A′ B″ B‴, and also the ridges D′, that separate the calks, are flat or truncated, the truncated ridges D′ being in the same plane, but not on a level, with said calks, as more clearly represented in Fig. 4.

As seen in Fig. 5, the truncated toe and heel calks A′ B″ B‴ are employed; but the corrugations C are so arranged as to dispose the ridges D marginally or longitudinally of the shoe, and, if desired, these ridges may be duplicated, as at D″. Reference to Fig. 6 shows that these marginal or circumferential ridges D are in the same plane, but not on a level with the truncated toe and heel calks. Furthermore, Fig. 5 shows the shoe provided with a crease or fuller, E, and nail-holes or indications for the same at F.

From the above description it is apparent the advantages of my invention will be attained by any construction that either corrugates, notches, or otherwise breaks up the continuity of the uninterrupted ridges seen in the patent previously alluded to, the object of said corrugations being to afford a number of independent bearings as soon as the toe and heel calks wear down and bring the other projection into service.

I claim as my invention—

As a new article of manufacture, a horseshoe provided with a toe-calk and a pair of heel-calks united with a marginal ridge, the continuity of the latter being broken by corrugations, notches, or otherwise, said calks and ridge being integral with the shoe, and all of the corrugations or notches being in the same plane, but not on a level, with the bearing-surface of the toe and heel calks, as herein described.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN N. CLARKE.

Witnesses:

JAMES H. LAYMAN,

SAML. S. CARPENTER.