

T. H. CARRUTHERS & W. RUSSELL.

Bars for Horseshoe Blanks.

No. 151,091.

Patented May 19, 1874.

Fig. 1

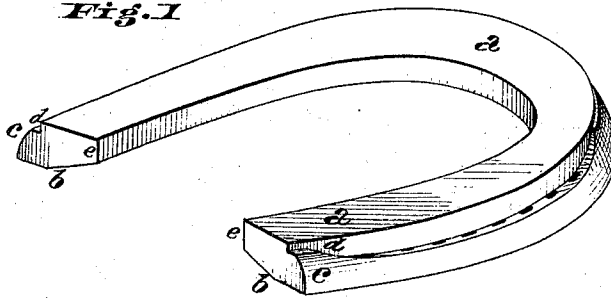


Fig. 5

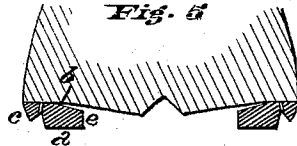


Fig. 2

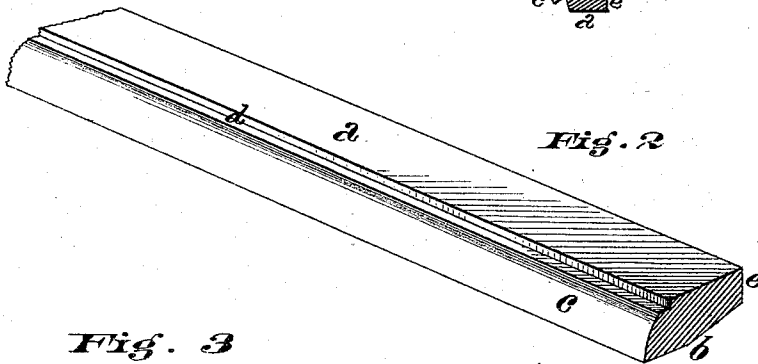


Fig. 3

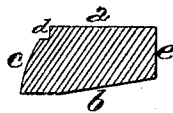
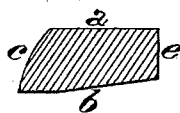


Fig. 4



Attest

J. H. Jones

Inventors.

Thos. H. Carruthers
& Wm. Russell
By *J. Millward*
Attorney

UNITED STATES PATENT OFFICE.

THOMAS H. CARRUTHERS AND WILLIAM RUSSELL, OF CINCINNATI, OHIO,
ASSIGNORS TO THE DAY & RUSSELL HORSESHOE COMPANY, OF COV-
INGTON, KENTUCKY.

IMPROVEMENT IN BARS FOR HORSESHOE-BLANKS.

Specification forming part of Letters Patent No. **151,091**, dated May 19, 1874; application filed
March 21, 1874.

To all whom it may concern:

Be it known that we, THOMAS H. CARRUTHERS and WILLIAM RUSSELL, both of Cincinnati, Hamilton county, State of Ohio, have invented a certain new and useful Improvement in Horseshoe-Bars, of which the following is a specification:

Our invention relates to the formation, in cross-section, of rolled bars for horseshoe-blanks; and consists of a composite form embracing, first, a broad flat side for the tread or face of the shoe; second, a beveled edge for the convenient introduction of the necessary nail-crease; and, third, a chamfered face or side to meet the horse's foot, so as to give the proper relief under the frog of the foot.

Figure 1 is a perspective view of a horseshoe made from our improved form of bar. Fig. 2 is a perspective view of the bar before bending. Figs. 3 and 4 are cross-sections of our improved bar. Fig. 5 is a cross-section of a shoe made from our improved bar, and applied to a horse's foot.

Our improved bar embraces essentially, besides the inner edge, three sides, of such shape and in such relation to each other as that it has, in combination, a broad flat side, *a*, for

the "tread" or face of the shoe; a chamfered face, *b*, to meet the foot of the horse, so as to give proper relief for the frog; and a beveled or rounded face, *c*, for the convenient introduction of the nail-crease. The bar may be rolled, as shown in cross-section in Fig. 4, plain; or may be rolled, as shown in Figs. 2 and 3, with a preliminary crease, *d*, to facilitate the accurate formation of the nail-crease. The inner edge, *e*, of the bar is of the customary shape—that is, a right line at right angles to the face *a*.

We claim—

A horseshoe-bar whose cross-section embraces, in combination, a broad flat face, *a*, for the tread, a chamfered face, *b*, to meet the horse's foot, and a beveled side, *c*, for the introduction of the nail-crease, substantially as and for the purpose specified.

In testimony of which invention we hereunto set our hands.

THOMAS H. CARRUTHERS.
WILLIAM RUSSELL.

Witnesses:

R. M. HUNTER,
J. L. WARTMAN.