A. BARTON.

HORSESHOE BAR.

No. 190,806. Patented May 15, 1877.

Fig. 1.

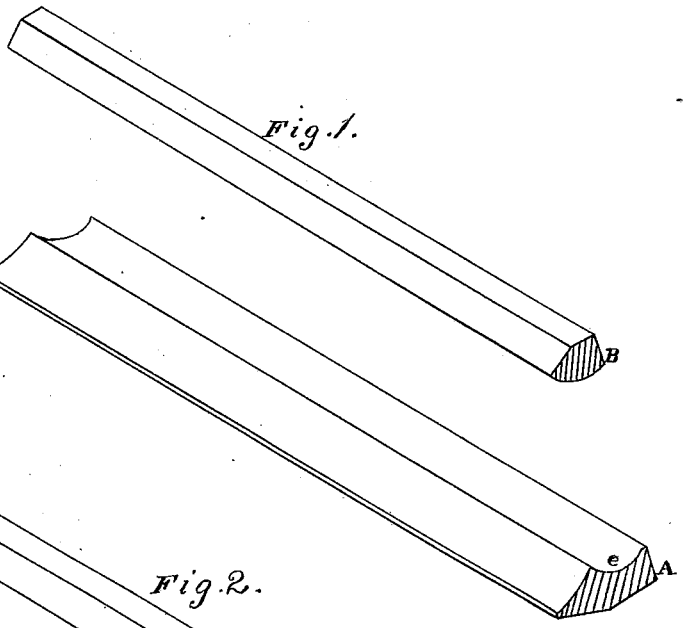
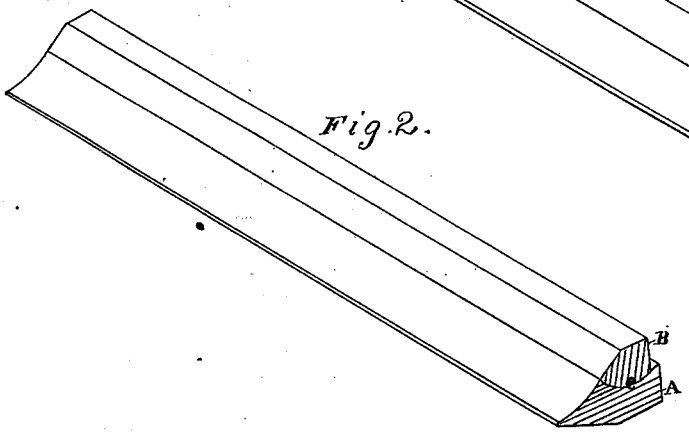


Fig. 2.



Witnesses

Geo. H. Strong

Owyn T. Stacy

Inventor

Arthur Barton,

By Dewey & Co.

Attys.

UNITED STATES PATENT OFFICE.

ARTHUR BARTON, OF NEVADA CITY, CALIFORNIA.

IMPROVEMENT IN HORSESHOE-BARS.

Specification forming part of Letters Patent No. **190,806**, dated May 15, 1877; application filed April 3, 1877.

To all whom it may concern:

Be it known that I, ARTHUR BARTON, of the city and county of Nevada, and State of California, have invented an Improved Horseshoe-Bar; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings.

My invention relates to a compound iron and steel horseshoe-bar, which is so adapted and combined that, when the bar is bent or formed into a horseshoe, the iron will form the upper part of the shoe or portion which comes next to the foot of the horse, while the steel forms the wearing-surface or lower part, all as hereinafter more fully described.

Referring to the accompanying drawings, in Figure 1, A represents the iron portion of the bar before the steel bar is united to it, and directly above it is shown the steel bar B ready to be combined with it. I prefer to make the iron bar A a little more than twice as wide as the steel bar B. The upper side of the bar A I make convex, by rolling or hammering one edge to an angle, from about the middle of the bar, as represented, so as to form an inwardly-sloping or beveled edge. The steel bar B I unite to the bar A by rolling or otherwise welding it upon the bar A, so that it forms a part of the horseshoe-bar. I secure the steel portion on the side of the bar A that is to form the sole or wearing face of the shoe. It is placed along the outside edge of the shoe, a ledge or shoulder, *e*, being left at its base along the thickest or outside edge of the horseshoe-bar, for the convenience of the horseshoe-maker, as it provides an offset along which the nail-groove can be made. The steel portion or sole is only about half as wide as the iron portion, so that it will form, when welded to the bar A, as above described, the proper outline for the base of a horseshoe. When this bar is bent into the proper shape, this steel ridge or sole will form a wearing-surface for the shoe, while the iron portion comes next to the horse's foot. I can then harden the steel as much as desired, so as to form a shoe of great durability, and one which is much cheaper and easier made than an entire steel shoe. By making the inside upper edge of the shoe inclined or beveled toward the center of the shoe, any dirt which may get jammed in between the horse's foot and shoe will be displaced by the jar of walking, and will readily fall out. The steel strip B can be made of any desired shape and width, but I prefer to employ it as above described.

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

The iron bar A having the steel strip or portion B welded upon it, so as to leave the ledge or shoulder *e*, substantially as and for purpose described.

In witness whereof I have hereunto set my hand and seal.

ARTHUR BARTON. [L. S.]

Witnesses:
O. T. STACY,
FRANK A. BROOKS.