

(Model.)

J. B. FINCH.

HORSESHOE.

No. 325,664.

Patented Sept. 8, 1885.

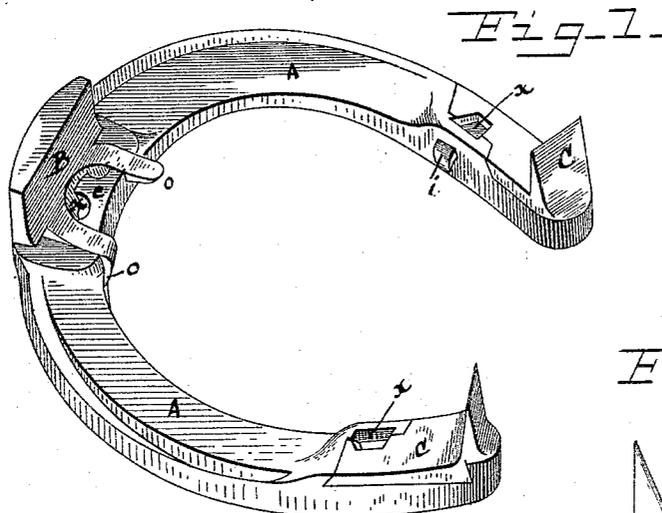


Fig. 3.

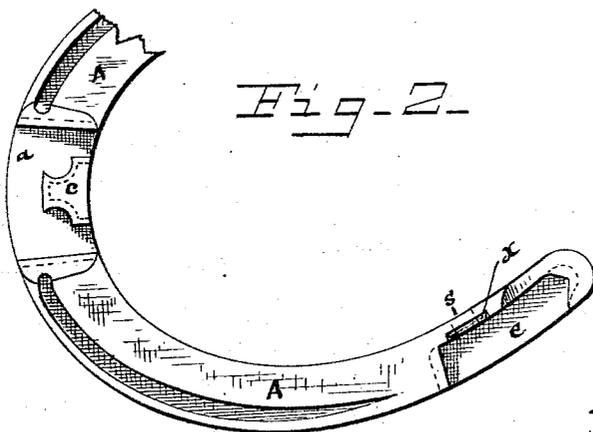
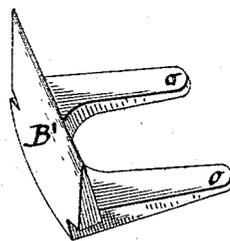
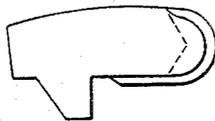
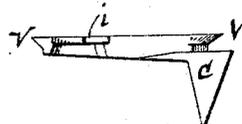


Fig. 2.

Fig. 4.



James B. Finch,
INVENTOR,

Fig. 5 - by J. Clayton,
Attorney

WITNESSES

Edwin L. Jewell.
Wm. F. Campbell.

UNITED STATES PATENT OFFICE.

JAMES BOON FINCH, OF NEWARK, NEW JERSEY, ASSIGNOR OF ONE-HALF
TO ANDREW ALBRIGHT, OF SAME PLACE.

HORSESHOE.

SPECIFICATION forming part of Letters Patent No. 325,664, dated September 8, 1885.

Application filed May 2, 1885. (Model.)

To all whom it may concern:

Be it known that I, JAMES BOON FINCH, a citizen of the United States, and a resident formerly of Bozeman, in Montana Territory, but now of Newark, Essex county, in the State of New Jersey, have invented certain new and useful Improvements in Horseshoes with Adjustable Calks, of which the following is a specification.

10 My invention consists in an improvement in horseshoes whereby the calks, whether dull or sharp, may be readily changed.

In places where there are sudden and violent changes of temperature it is desirable to be able to quickly and easily change the calks from dull to sharp, or the reverse, without the aid of a blacksmith.

In the drawings, Figure 1 is a perspective view of my improvement, showing in position a dull toe-calk and two sharp heel-calks. Fig. 2 is a view showing my improved shoe with its calks removed. Fig. 3 shows a sharp toe-calk. Fig. 4 shows a sharp heel-calk. Fig. 5 is a plan of same.

25 The shoe A is of the ordinary shape and size of a horseshoe, but is provided with a recess at the toe and one at each heel for reception of the calks.

a shows the toe-calk recess, which is undercut at each edge and under the stud *c*, as indicated by dotted lines in Fig. 2. This recess conforms to and is adapted to receive the toe-calk B or B'. The toe-calk B or B' is slipped into recess *a*, its beveled edges fitting under the "undercuts," and the prongs *o o* of the calk are bent down against inner edge of the shoe, thus preventing the calk from slipping out of its recess frontwise. The stud *c* prevents its rearward slipping. When the calk thus inserted is to be removed for another calk, any one can straighten or break off the bent prongs *o o* and drive the calk frontwise out of the recess *a*.

e e is the heel-calk recess, undercut at the back and ends to correspond to and receive the heel-calk C, which is beveled at *v v* to fit into recess *e*, and has a prong, *i*, to pass through

a hole, *s*, dotted line, Fig. 2, in the back of recess *e*. This prong *i* extends through the upstanding part of the shoe which is back of said recess, and is bent down with a blow of a hammer, which thus holds calk C in position. *x x* are depressions in which the end of a punch may be inserted to aid in driving out the calks after the prongs have been bent up or straightened.

By my invention any one can insert, remove, or change a set of calks easily and quickly.

Having described my invention, what I claim is—

1. A horseshoe having an undercut recess, and an abutment having openings, a removable calk having beveled edges adapted to fit in said recess and provided with prongs, said prongs passing through said openings and their ends properly bent to secure the calk to the shoe, substantially as shown and described.

2. A horseshoe having undercut toe and heel recesses, each recess provided with an abutment having one or more openings, removable toe and heel calks adapted to fit in said recesses and provided with one or more prongs, whereby the calks are secured to the shoe by having said prong or prongs properly bent into engagement with said shoe, substantially as specified.

3. A horseshoe having undercut heel recesses and perforated abutments, removable heel-calks having beveled edges, and each provided with a securing prong, said calks adapted to fit in said recesses with their prongs passing through the perforations and in the abutments and properly bent to secure the calks to the shoe, substantially as described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of two witnesses, this 26th day of March, 1885.

JAMES BOON FINCH.

Witnesses:

ABRAHAM MANNERS,
HARRY B. BRICE.

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