

(No Model.)

G. W. NICKERSON.

ADJUSTABLE CALK FOR HORSESHOES.

No. 280,071.

Patented June 26, 1883.

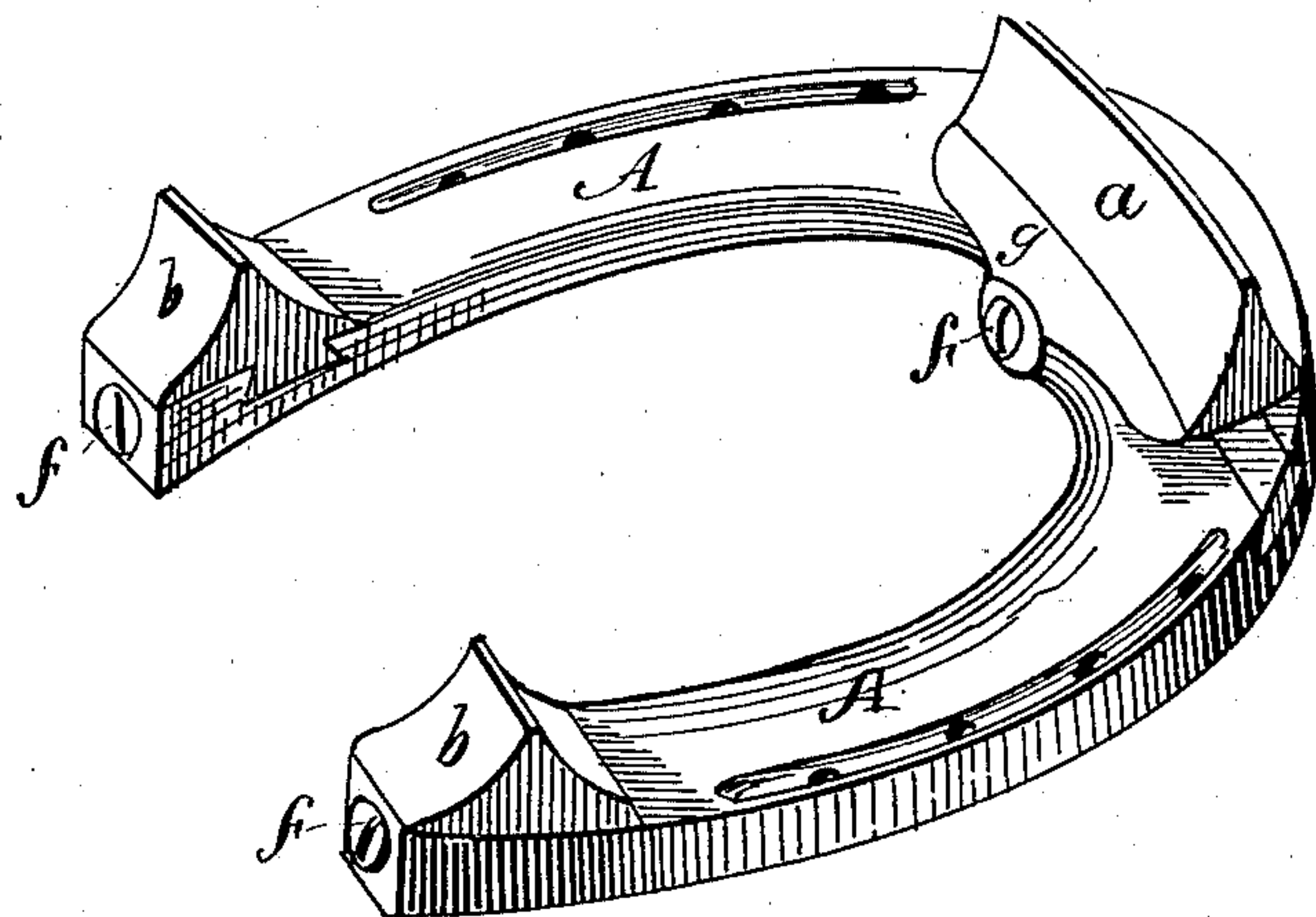


Fig. 1.

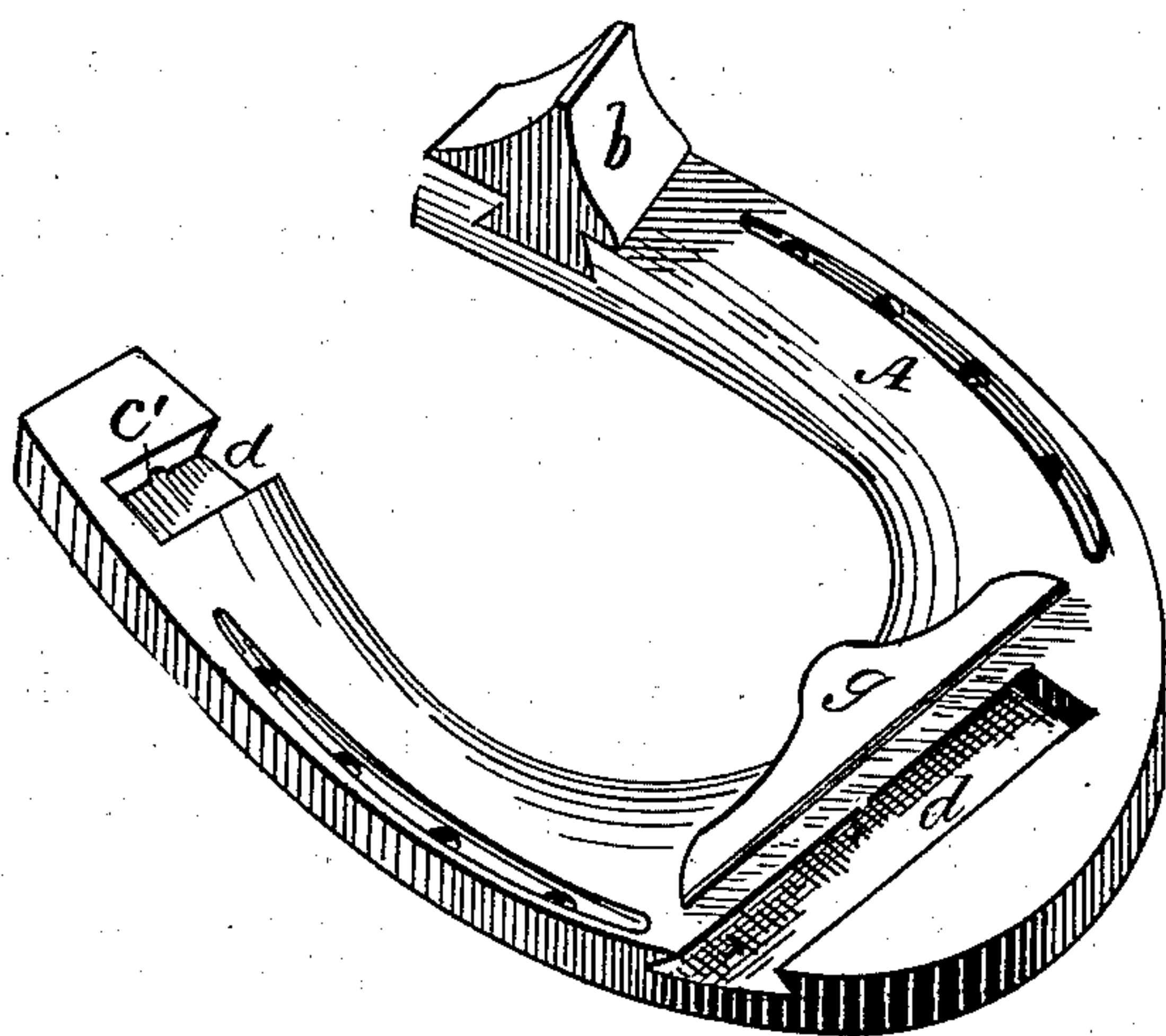


Fig. 2.

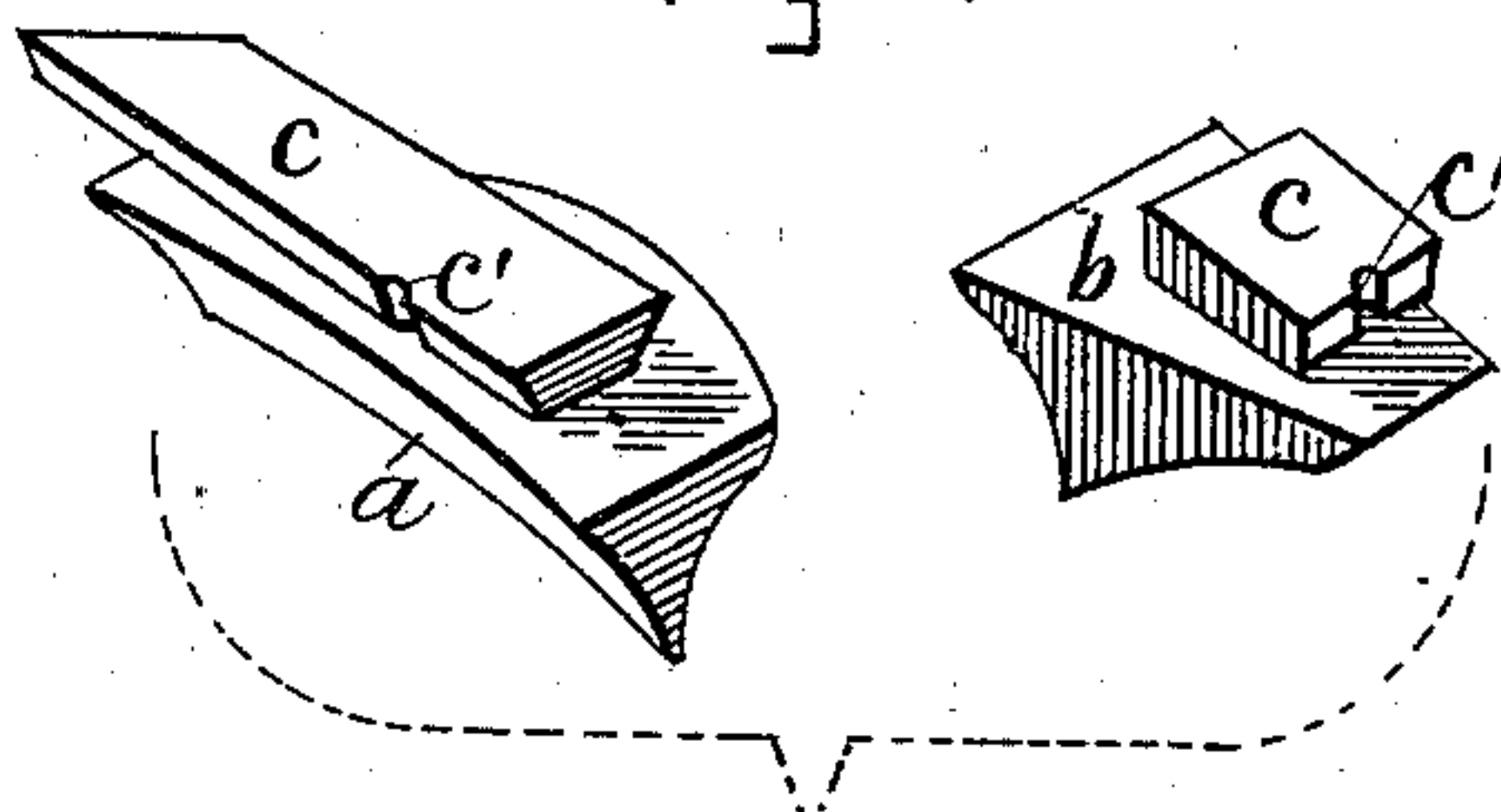


Fig. 3.

Witnesses:

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UNITED STATES PATENT OFFICE.

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ADJUSTABLE CALK FOR HORSESHOES.

SPECIFICATION forming part of Letters Patent No. 280,071, dated June 26, 1883.

Application filed January 15, 1883. (No model.)

To all whom it may concern:

Be it known that I, GEORGE WILLIAM NICKERSON, of the town of Yarmouth, in the county of Barnstable and State of Massachusetts, have
5 invented a new and useful Improvement in Adjustable Calks for Horseshoes, which invention I will describe as follows, reference being had to the accompanying drawings, which form a part of this specification, like letters
10 indicating like parts in the different figures thereof.

Figure 1 of the drawings is a view in perspective of a horseshoe, with the adjustable calks in place ready for use. Fig. 2 shows a
15 shoe in perspective, with the toe-calk and one heel-calk removed, so as to illustrate the shape of the openings in the shoe into which the calks are to be inserted, and also to show the shape of the toe-piece; and Fig. 3 shows the
20 toe-calk and one heel-calk removed from the shoe, and so placed as to illustrate the shape of the back pieces of the calks, which are inserted in the openings in the shoe when the calks are adjusted in place. The toe-calk *a*
25 and heel-calks *b* are provided with the back pieces, *c*, said back pieces being so shaped as to fit into the beveled openings *d* of the shoe *A*, as is clearly shown in the drawings.

An examination of Fig. 2 shows the toe-piece *g* beveled on its under side, so that the
30 toe-calk runs under said toe-piece when the calk is in place, and so the toe-piece *g*, in case the horse's foot sticks in the mud or snow, helps to hold the calk firmly when the foot is extri-

cated, and the toe-piece also serves a valuable
35 purpose in making a bearing for, and thus preserving the toe-calk from breaking in case the foot stubs against a stone or other obstacle.

In each of the back pieces, *c*, is the small
40 opening *c'*, into which the point of the screw enters when it is inserted to hold the calk in place. The shape of the back piece, *c*, is substantially the same in both heel and toe calks, except as to length, which should of course
45 correspond with the length of the calk, as shown in Fig. 3. It is preferable that the back piece, *c*, be made a part of the calk, instead of separate and attached thereto, as the former
50 method will obviously secure greater strength and durability. An ordinary set-screw is all that is required for holding the calk.

It is obvious that sharp, dull, weighted, or
any kind of calk may be inserted, or one exchanged for another, without removing the
55 shoe from the foot.

Having fully described my invention and
the mode of carrying the same into effect, what I claim as my invention, and desire to secure
by Letters Patent, is—

A horseshoe provided with a slot or open-
60 ing, *d*, sunk below the outer surface of the shoe, and the movable calk *a*, fitted to said slot *d*, in combination with the toe-piece *g*, substantially as and for the purpose described.

GEORGE WM. NICKERSON.

Witnesses:

GEO. A. KING,

HIRAM P. HARRISON.