

(Model.)

G. W. WEMPLE & B. W. CHILD.

FOOT WEIGHT.

No. 293,692.

Patented Feb. 19, 1884.

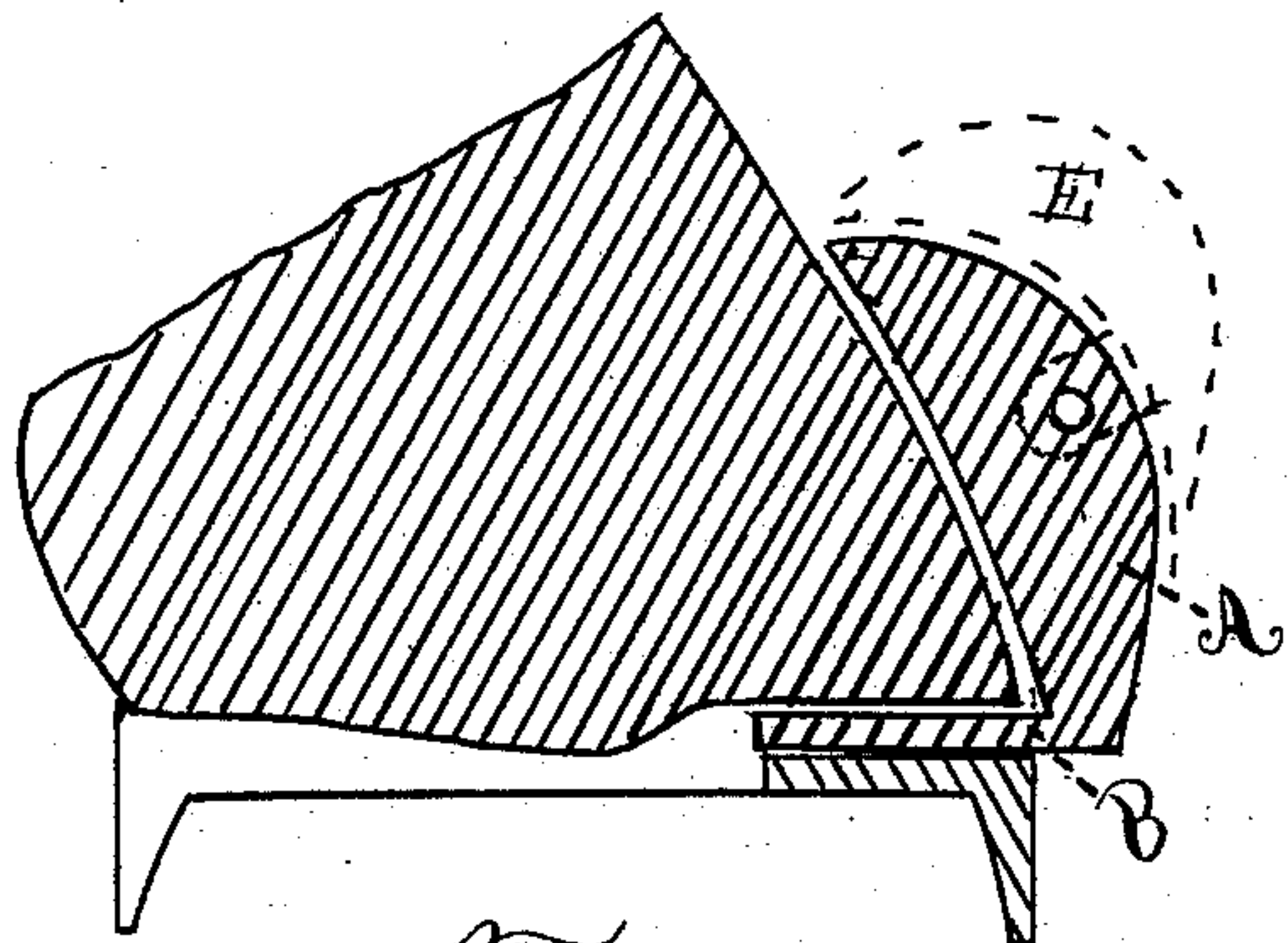


Fig. 1.

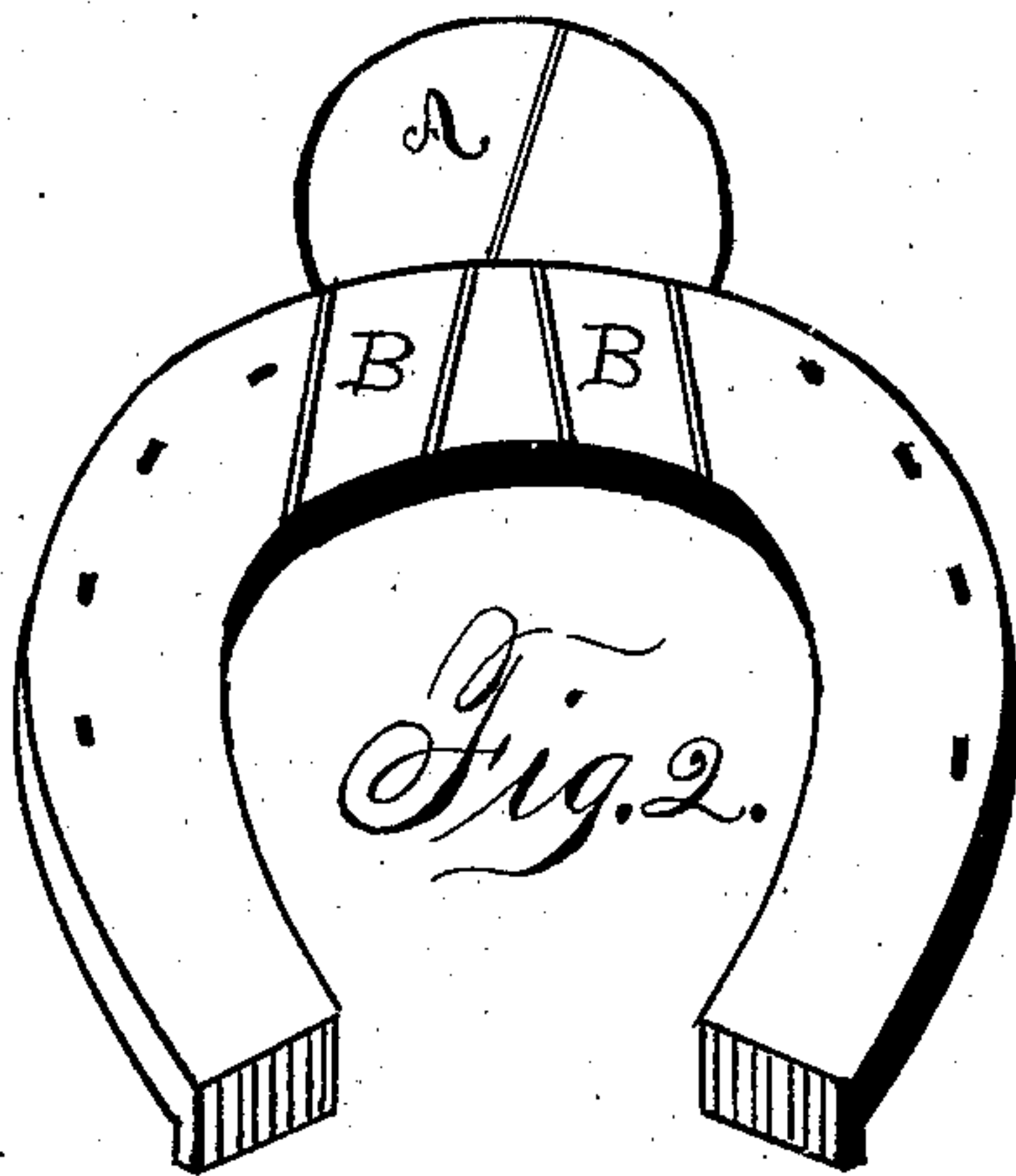


Fig. 2.

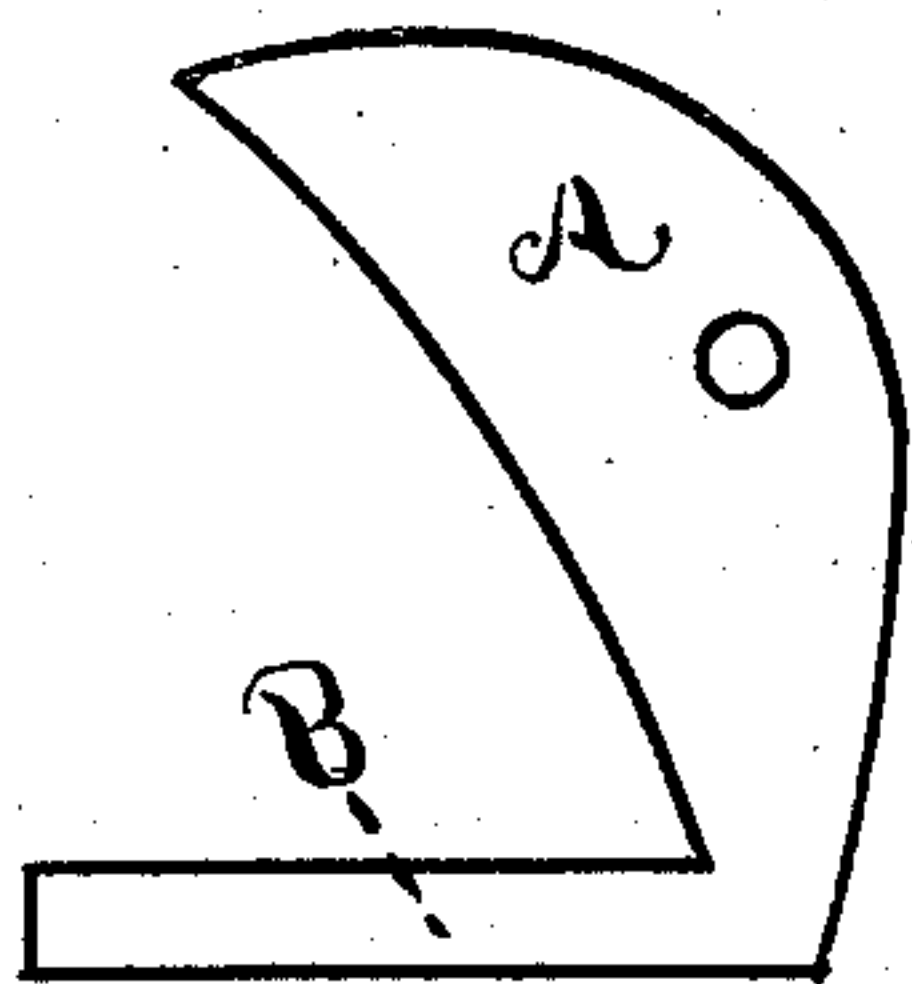


Fig. 3.

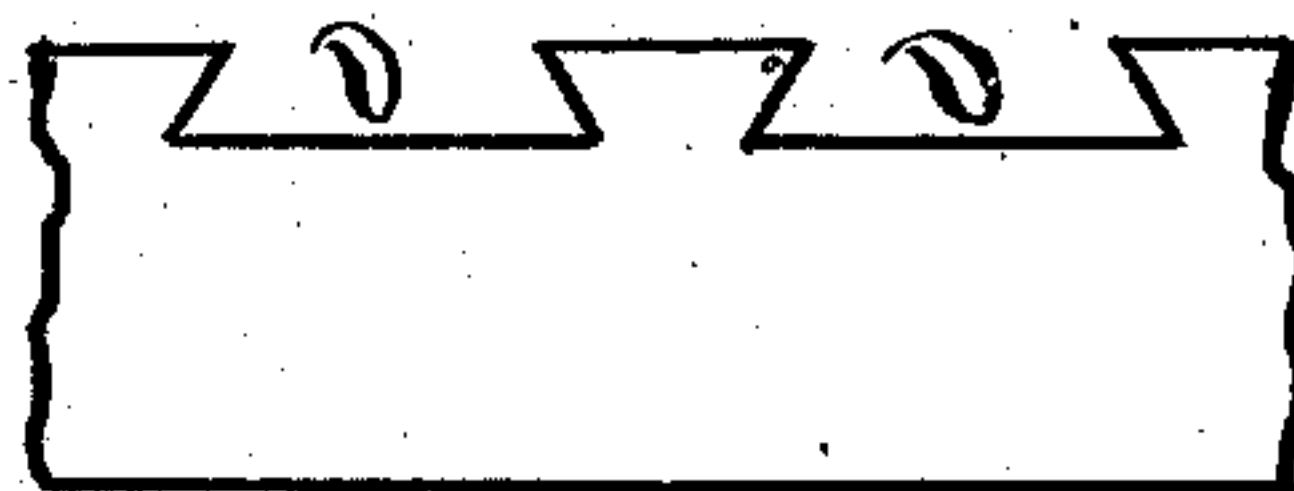


Fig. 4.

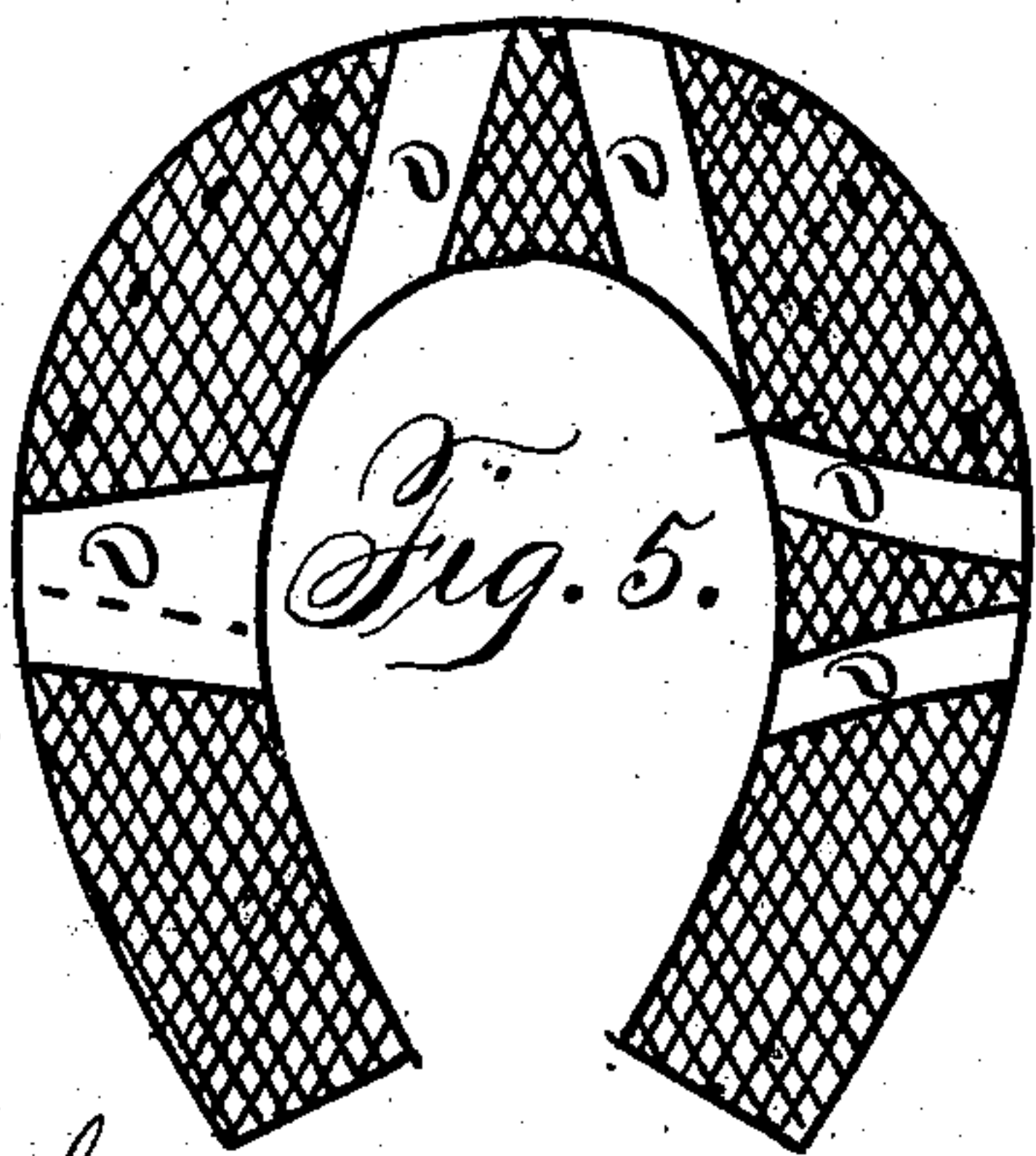


Fig. 5.

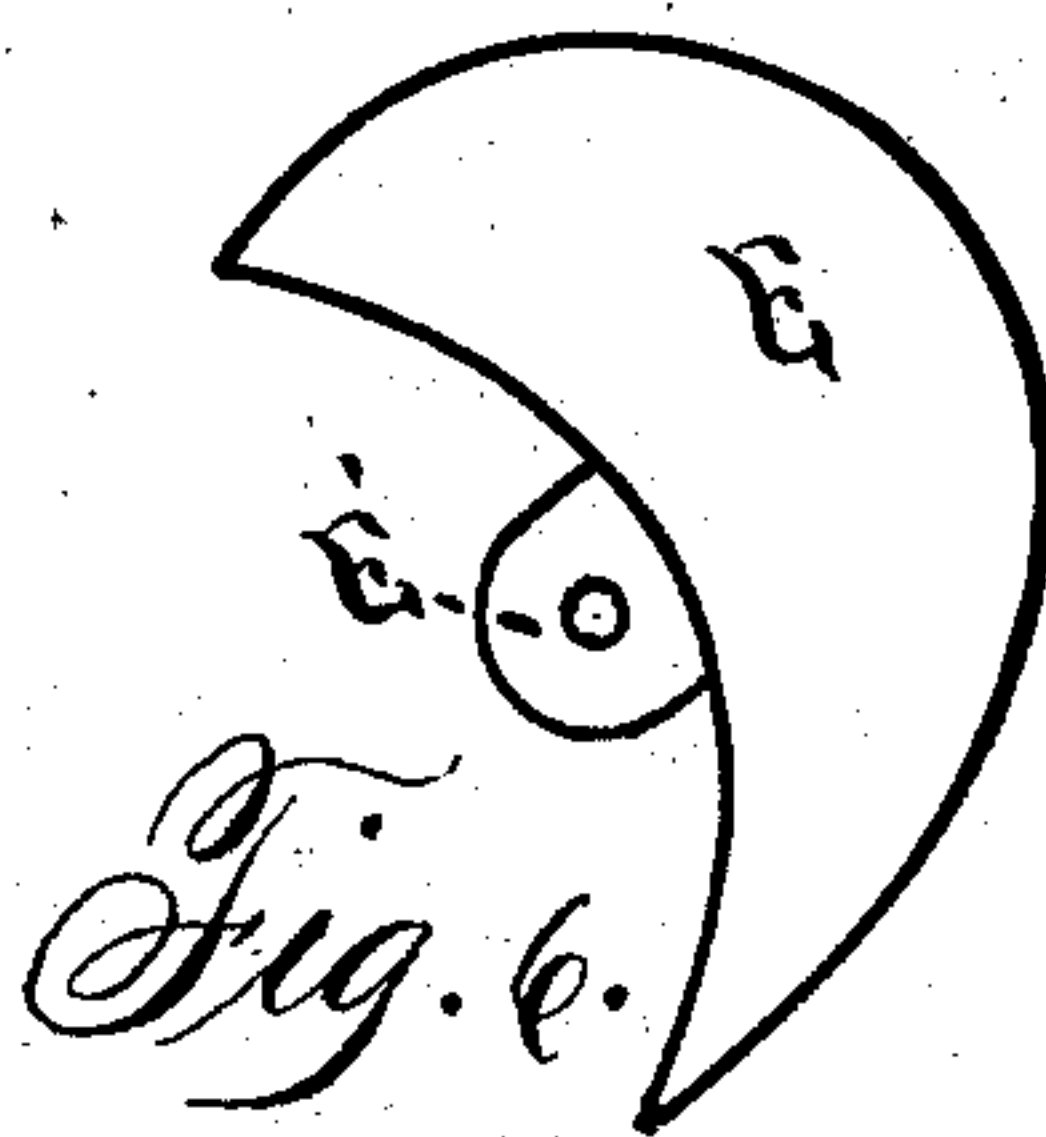


Fig. 6.

Witnesses:

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UNITED STATES PATENT OFFICE.

GEORGE W. WEMPLE AND BRAINERD W. CHILD, OF BOSTON, MASS.

FOOT-WEIGHT.

SPECIFICATION forming part of Letters Patent No. 293,692, dated February 19, 1884.

Application filed June 28, 1883. (Model.)

To all whom it may concern:

Be it known that we, GEORGE W. WEMPLE and BRAINERD W. CHILD, residing in Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Foot-Weights; and we do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same.

The object of our invention is to produce an easily-adjustable foot-weight with perfect solidity, obviating a permanent spur or shank and the cutting, burning, or bruising of the foot; and the invention consists in the peculiar construction of the foot-weight, as hereinafter set forth.

Figure 1 is a sectional view, showing the foot of a horse, the toe-weight, and the shoe to which it is attached. Fig. 2 is a view in perspective of the shoe and weight. Fig. 3 is one part or section of the weight. Fig. 4 is a part of a shoe, showing the shape of the slots which hold the weight. Fig. 5 is a top view of the shoe, showing different shapes and positions of the slots. Fig. 6 is a side view of an attachable piece, to give additional weight.

The same letters indicate like parts in the different figures.

Heretofore foot-weights as attached have had the following objections: First, the liability to work loose and pound upon the shell of the foot; second, when attached between the shoe and foot, liability of starting the shoe, and thereby causing great annoyance and frequently injury to the horse; third, when a permanent spur is used, which projects out by the foot, it is liable to be broken off and trip the horse or cause other damage.

In our invention the foregoing objections are not only overcome, but the weight is more readily adjusted, admitting the use of different weights without removing the shoe.

Our invention consists in a weight, A, constructed, Fig. 2, in two or more sections in such a manner that it forms a part of the fastening, which secures the weight to the foot or shoe, and also admits of adding additional weight when necessary. Each of said sections or parts is provided with a fork, B, Figs. 1 and 3, which are so shaped that when inserted into the slots D, Figs. 4 and 5, and when the said sections are secured together with a screw or its equivalent, the weight becomes securely locked without admitting of any movement of

the same. The slot or slots D D are farther apart or wider at the inner ends; or, if one slot D be used, it is wider at its inner end, as shown in Fig. 5. To prevent the weights from rocking, they are widest at the bottom. Thus it will be readily seen that as the sections or parts of the weight are drawn together by their fastening, the weight would be perfectly secure, even were the forks *b* not to exactly fit the slots D D. The section E, Fig. 6, is attached when additional weight is required, and goes on in position indicated by dotted lines, Fig. 1, and is held by the fastening, which secures these sections of the weight proper by means of projection E', which goes between the sections of the weight or an aperture cut into the weight, the screw, or its equivalent, which holds the sections of the weight, passing through it. One or more of the sections (see the left-hand section in Fig. 2) being cut upon a slant corresponding with its fork or tang, admits of their being shoved readily into position, the weight here used to illustrate being first cast whole with two forks projecting therefrom, widening from one another as they project, being cut into upon a slant parallel with the right-hand fork, (when facing the horse,) Figs. 1 and 2.

To attach our weight to the shoe which has the slots *d d*, the fork of the left-hand section is shoved into the corresponding slot. You repeat the operation with the right-hand section, securing them together by means of a screw or its equivalent.

Having thus described our invention, what we claim as new, useful, and improved is—

1. In combination with a shoe having slots D D, the weight A in sections, as described, having the forks B, as and for the purpose set forth.

2. An attachable piece, *e*, having a projection, E', in combination with a weight provided with a recess for the reception of the projection E', and a transverse screw-hole for securing the same, as and for the purpose set forth.

In testimony that we claim the foregoing as our own invention we have affixed our signatures in the presence of two witnesses.

GEORGE W. WEMPLE.
BRAINERD W. CHILD.

Witnesses:

CHAS. G. POPE,
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