

(No Model.)

F. FAWCETT.

REMOVABLE CALK FOR HORSESHOES.

No. 272,672.

Patented Feb. 20, 1883.

Fig. 1.

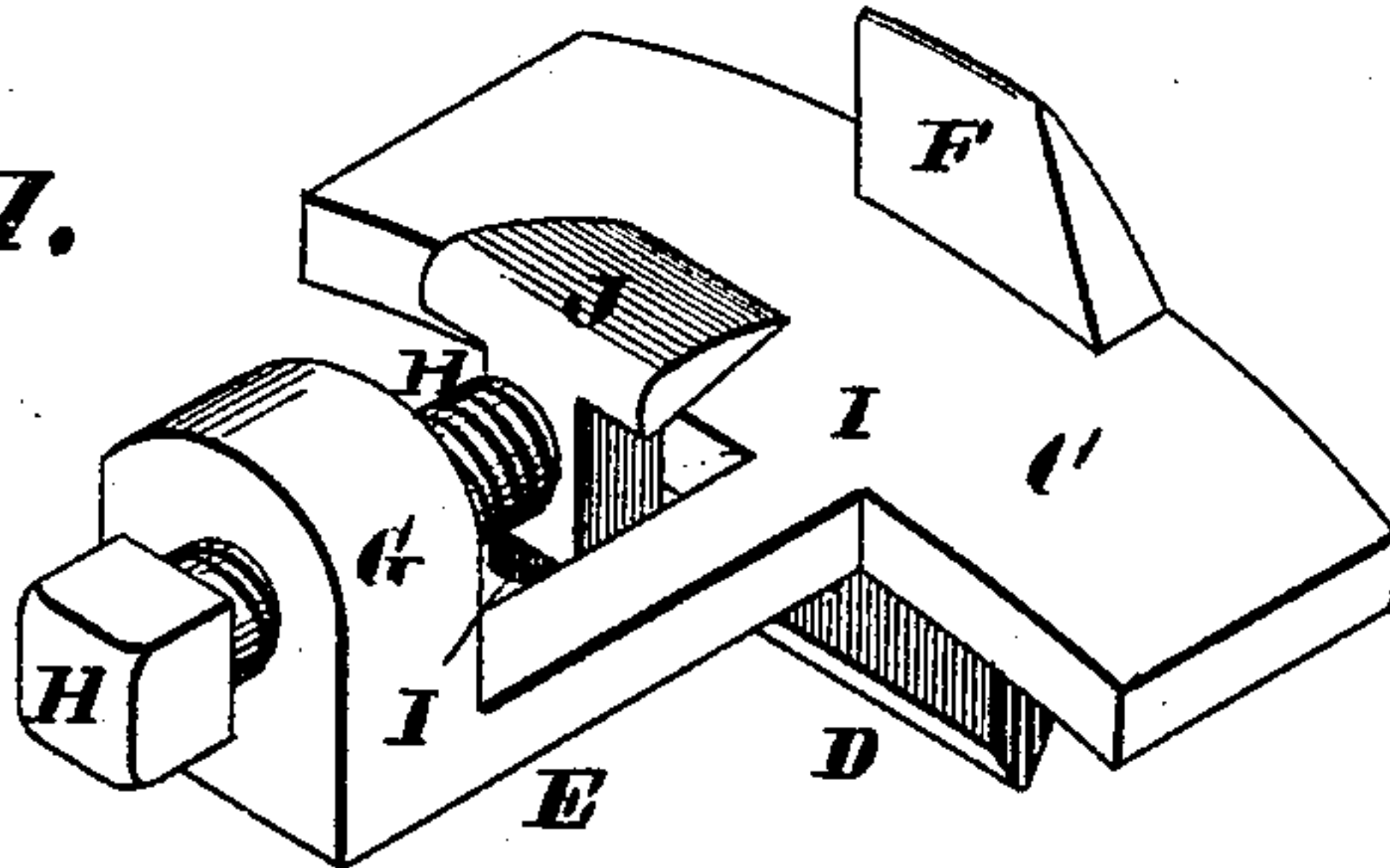


Fig. 2.

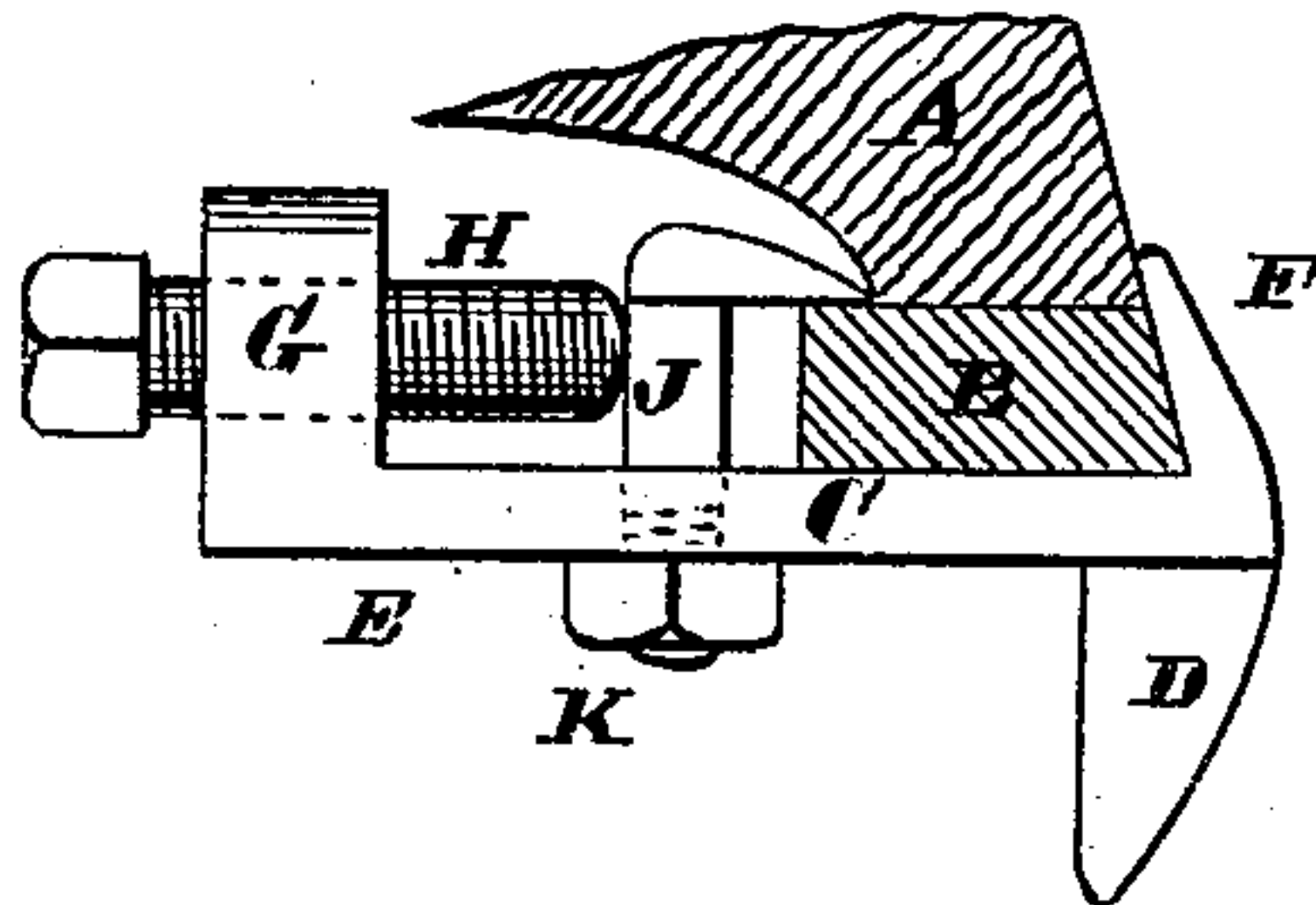


Fig. 3.

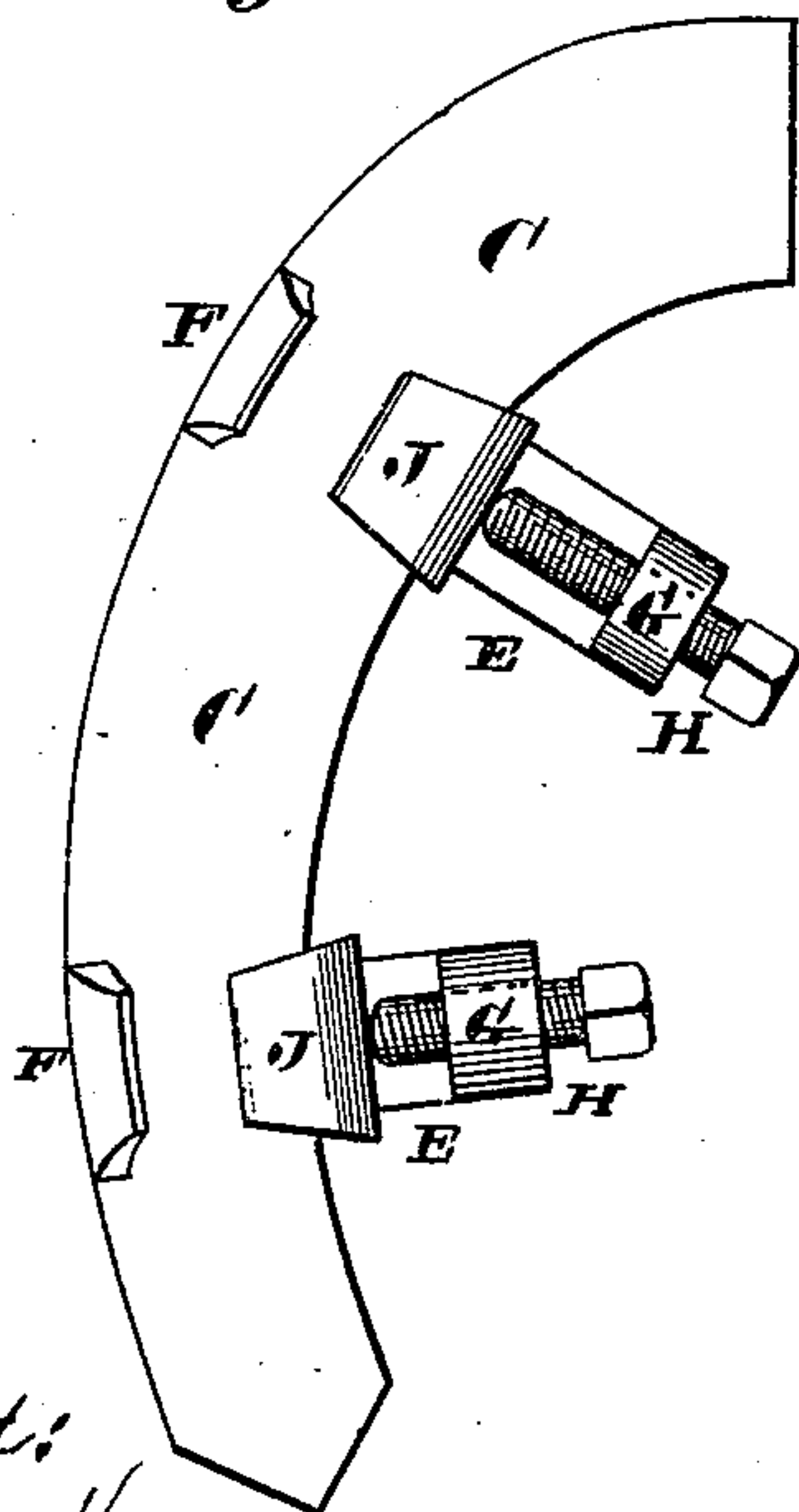
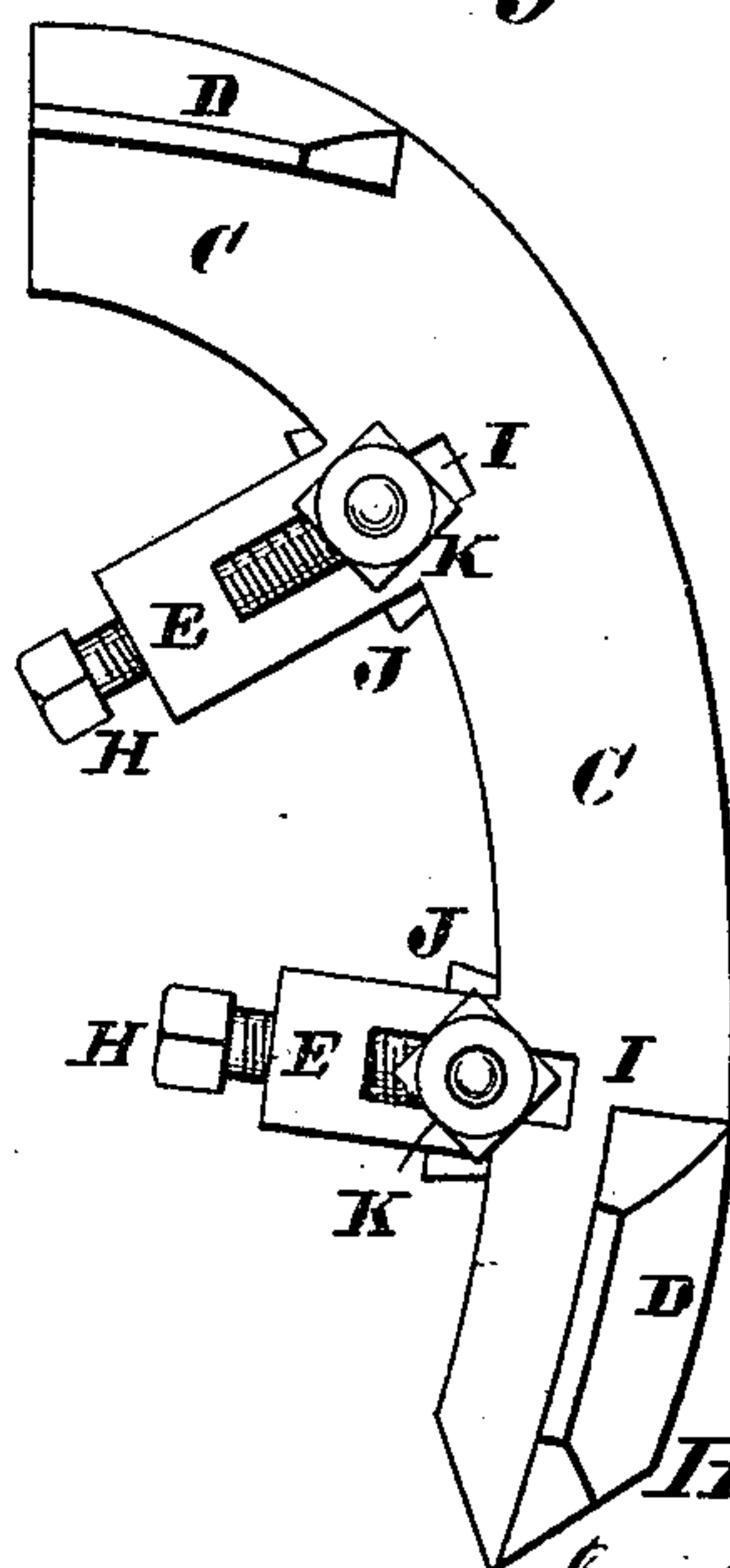


Fig. 4.



Attest:

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REMOVABLE CALK FOR HORSESHOES.

SPECIFICATION forming part of Letters Patent No. 272,672, dated February 20, 1883.

Application filed January 10, 1883. (No model.)

To all whom it may concern:

Be it known that I, FRED FAWCETT, of the city of St. Louis, in the State of Missouri, have invented a certain new and useful Improvement in Removable Calks for Horseshoes, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification, and in which—

10 Figure 1 is a perspective view illustrating my invention. Fig. 2 is a side view of same, showing it secured to a shoe; and Figs. 3 and 4 illustrate a modification, Fig. 3 being a top and Fig. 4 an under view.

15 My invention relates to a removable calk that can be easily and quickly attached and detached by the use of a wrench only; and my invention consists in the special construction of the device, as hereinafter fully described, and pointed out in the claims.

Referring to the drawings, A represents part of a horse's hoof, and B a shoe of common construction secured thereto.

20 C represents a curved plate, the curve corresponding with that of the shoe, upon the lower side of which is a calk, D, and which has an arm, E, extending inward from about its center, as shown, and upon the outer upper edge of the plate, about its center, is a projection, F. The outer end of the arm is turned upward, forming a vertical part, G, through which passes a set-screw, H, and the horizontal part of the arm has a slot, I, extending nearly its whole length, through which passes the stem of a clamp, J, with a nut, K, on its lower end beneath the arm. The part of the stem that passes through the slot is square, so that when the nut K is turned the clamp will not turn also.

30 40 In attaching the device to a horse's foot (it of course being intended for use when the roads are slippery or icy, or for heavy pulling) the set-screw H is turned out to free its inner end from the clamp, and the plate C is placed upon the shoe, as shown in Fig. 2, the projection F bearing against the outer face of the shoe, as shown. The clamp J is then moved

forward until it engages over the shoe, (see Fig. 2,) and then its nut K is tightened with a wrench, which will hold the plate firmly to the shoe, and then the set-screw H is turned by a wrench until its inner end jams tight against the clamp, holding it from any back movement.

One of my calks may be attached to each heel of a shoe, and one to the toe, and where there is an old toe-calk already on the shoe one of my calks may be attached on each side of it. In the modification shown in Figs 3 and 4 there are two sets of clamps and a heel and toe calk on each plate C.

The projection F may consist of a pin extending upward from near the center of the plate C and entering a hole in the shoe, and then it would not be seen when the device is attached.

I claim as my invention—

1. The combination, in a removable calk for horseshoes, of plate C, having calk D, projection F, and arm E, with slot I, and clamp J, with nut K, all substantially as and for the purpose set forth.

2. The combination, in a removable calk for horseshoes, of plate C, having calk D, projection F, and arm E, with slot I and threaded upturned end G, clamp J, with nut K, and set-screw H, passing through the projection G and jamming against the clamp J, all substantially as shown and described, for the purpose set forth.

3. The combination, in a removable calk for horseshoes, of curved plate C, having calk D, projection F, and arm E, with slot I and threaded upturned end G, clamp J, with a square shank or stem and nut K, and set-screw H, passing through the upturned end G of the arm E and jamming against the clamp J, all substantially as shown and described, for the purpose set forth.

FRED FAWCETT.

In presence of—

SAML. KNIGHT,
GEO. H. KNIGHT.