

(Model.)

C. B. HITCHCOCK.  
TOE WEIGHT FOR HORSES.

No. 250,360.

Patented Dec. 6, 1881.

Fig. 1.

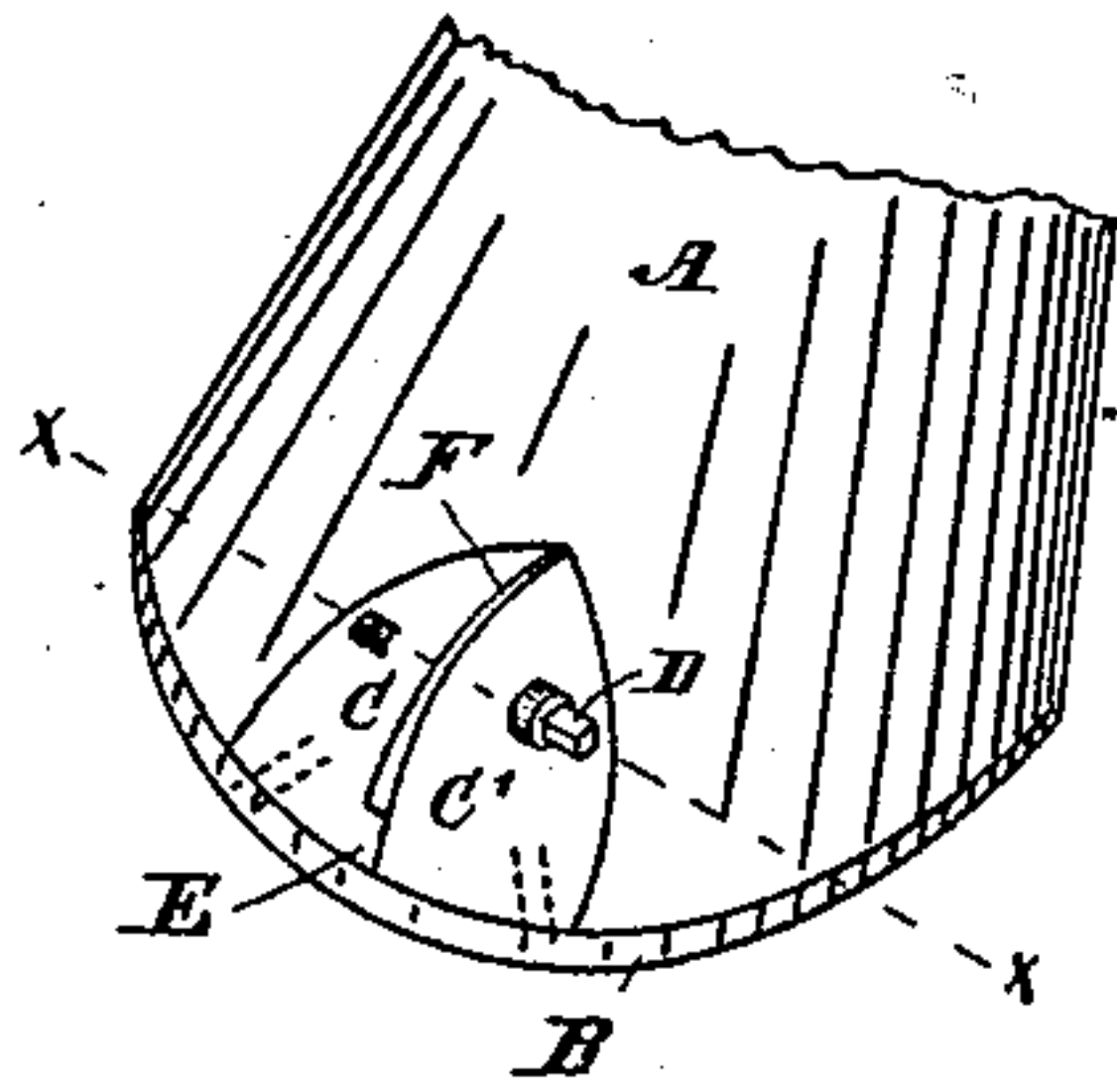


Fig. 2.

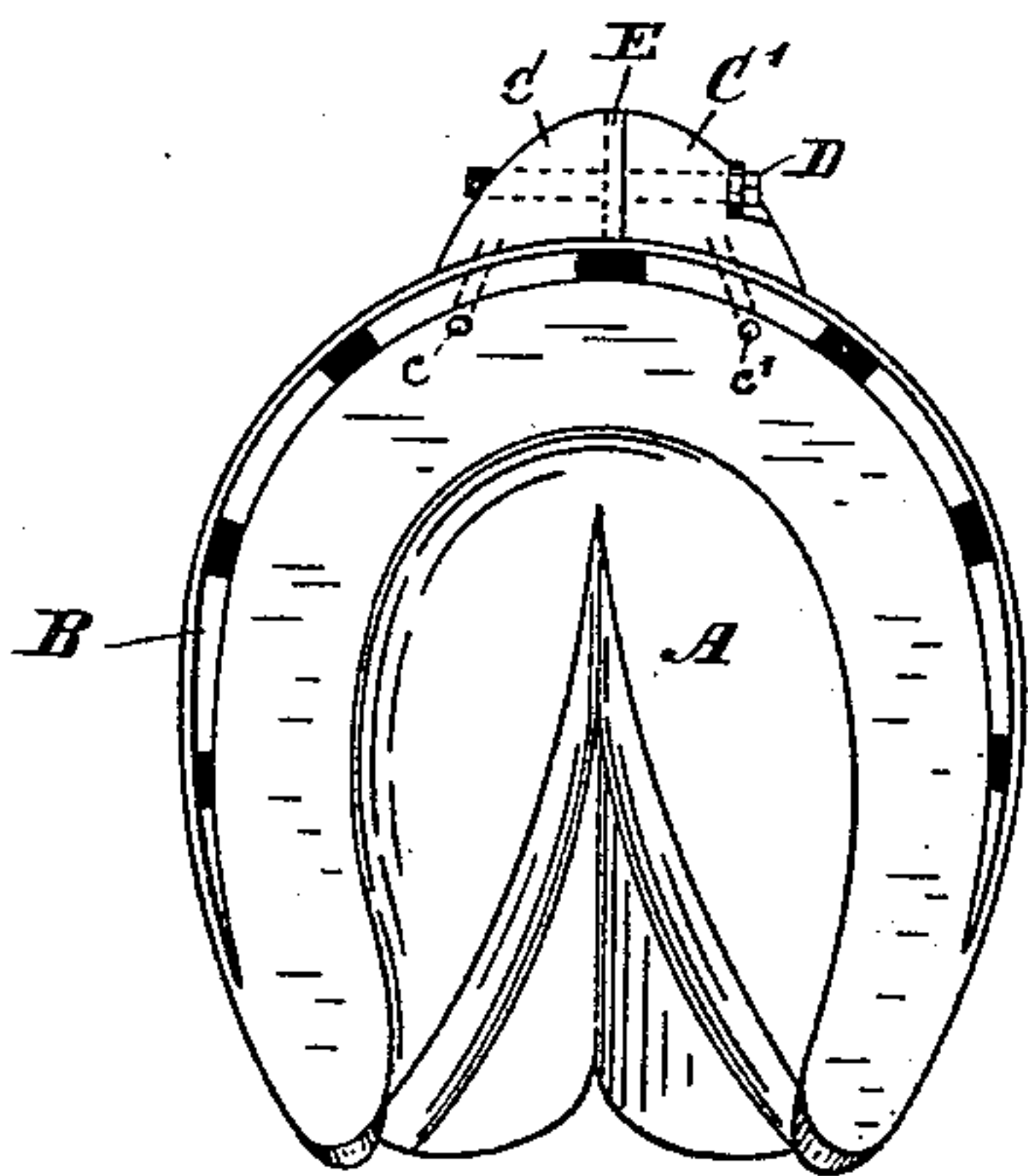


Fig. 3.

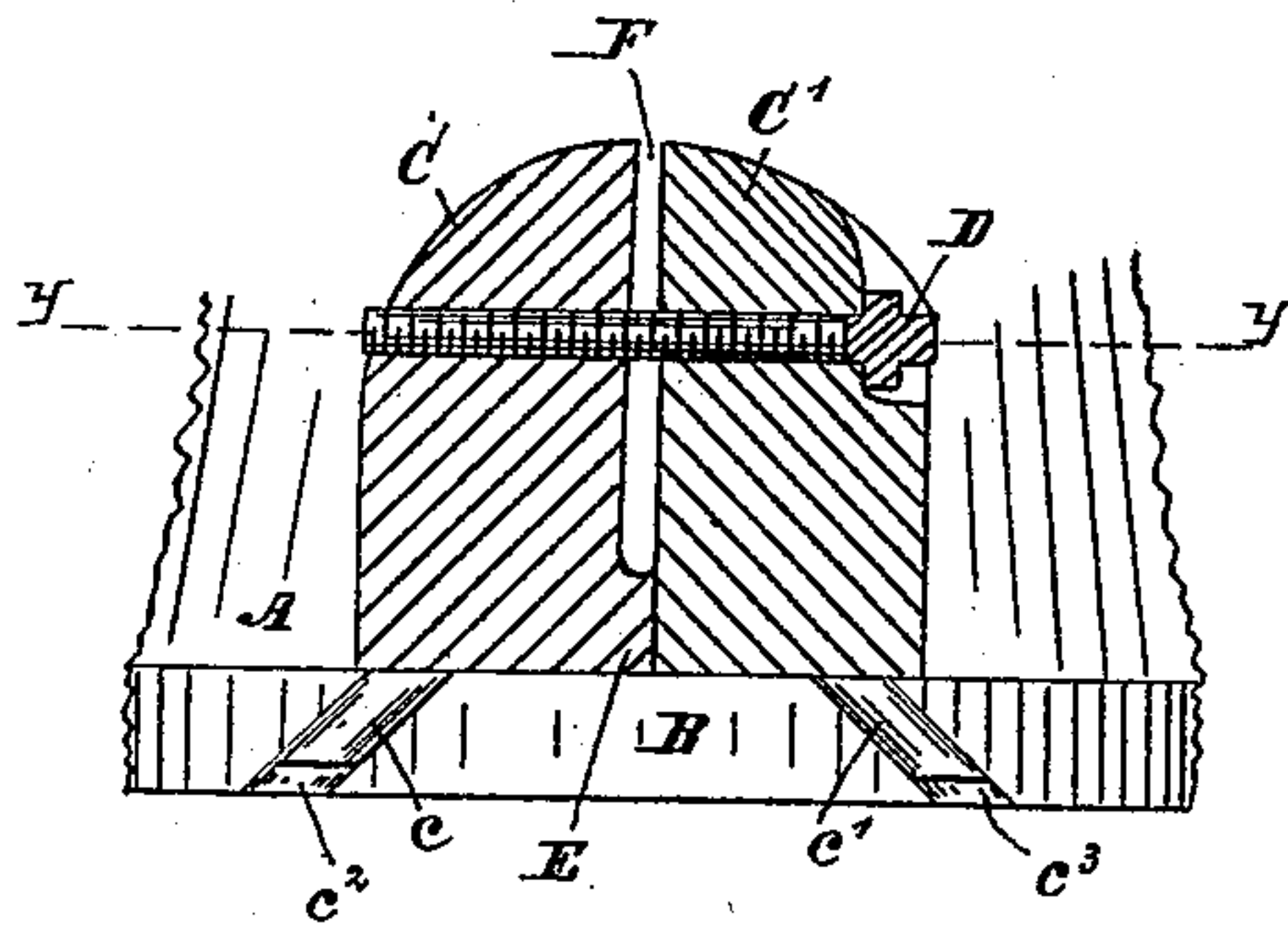


Fig. 4.

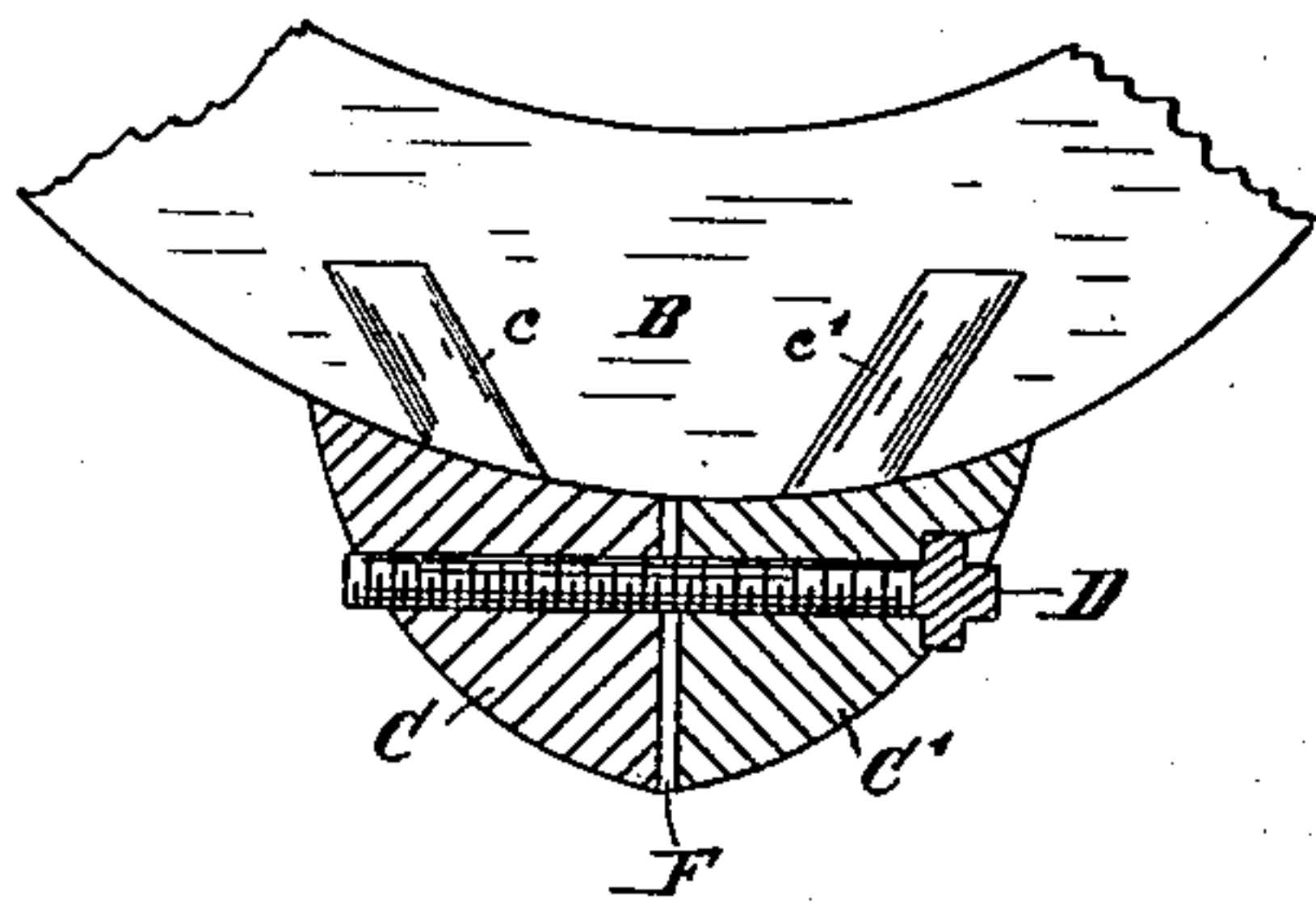
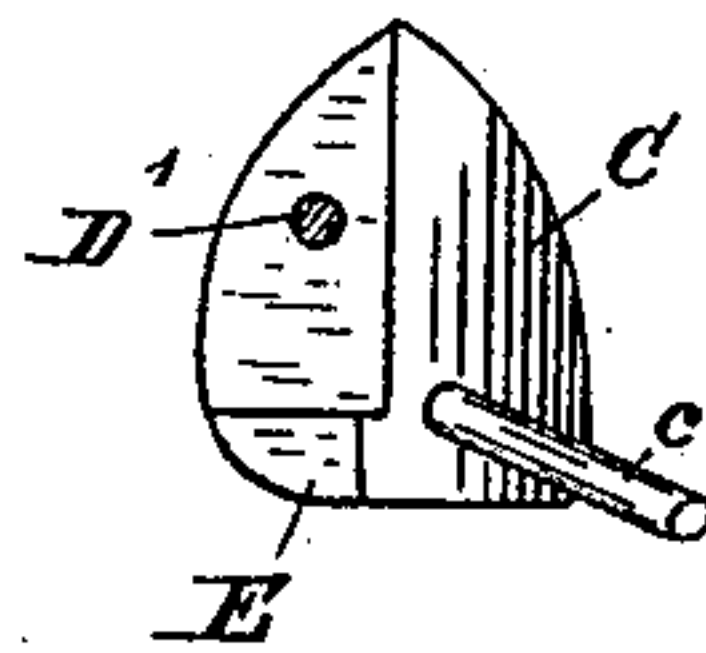


Fig. 5.



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# UNITED STATES PATENT OFFICE.

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## TOE-WEIGHT FOR HORSES.

SPECIFICATION forming part of Letters Patent No. 250,360, dated December 6, 1881.

Application filed September 1, 1881. (Model.)

*To all whom it may concern:*

Be it known that I, CHARLES B. HITCHCOCK, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented a new and useful Improvement in Toe-Weights for Horses and Mode of Securing said Weights to a Shoe, of which the following is a specification.

My invention relates to improvements in horse toe-weights and mode of fastening them to a horse's shoe, in which the bisected toe-weight is provided with a fulcrum at the base of the joint, and further provided with angular studs, which operate in conjunction with a shoe having holes corresponding with the studs and a binding-screw; and the object of my invention is to provide a toe-weight with a means for securing it to a horseshoe. This object I accomplish by the device illustrated in the accompanying drawings, in which—

Figure 1 represents a front view of a horse's hoof with shoe and weight attached. Fig. 2 is a bottom view, showing the toe-weight in position. Fig. 3 represents a sectional view of the weight, showing the position of the angular studs in the shoe. Fig. 4 is a cross-section of the toe-weight through the binding-screw, attached to the shoe, and showing the rearward inclination of the studs as well as the lateral. Fig. 5 is a perspective view of one half of the toe-weight, showing the inclined stud, also the fulcrum and the hole for the binding-screw.

Similar letters refer to like parts in the several views.

A represents the hoof; B, the shoe; C C', the two halves of the weight.  $c c'$  are the angular studs cast or made fast to the base of each half of the weight.  $c^2 c^3$  represent the backward and lateral inclined holes in the toe part of the shoe. D represents the binding-screw which operates in the holes D' in the weights. E represents the fulcrums, and F the space or joint between the halves of the weight.

The bisected weight C C' is fastened to the shoe B by means of the studs or pins  $c c'$ , which project with a backward and lateral angle from the weight, and are inserted in corresponding angular holes  $c^2 c^3$  formed in the shoe. The weight C C' is made in two sections or halves, as shown in Fig. 5. The vertical joint F in the center, between the two halves C C', is provided at its base, or one or both halves, with the fulcrum E, by means of which and the binding-screw D, as said screw is tightened up, the angular pins  $c c'$  are drawn tightly against the upper sides of the holes  $c^2 c^3$  of the shoe, and the two halves of the weight are also drawn together at the top. Thus the weight is firmly secured to the shoe independent of the hoof.

What I claim as new, and desire to secure by Letters Patent, is—

1. A horse toe-weight of two pieces, with a fulcrum, E, between their bases and inclined studs or prongs at their base, said studs adapted to fit into inclined holes formed in the shoe, and the two halves of the weight be made fast together and to the shoe by a bolt, D, adapted to draw the upper end of the weights together, and the fulcrum E causes the lower end of the weights to spread and the studs to fasten themselves tightly in their respective shoe-holes, substantially as shown and described.

2. A toe-weight consisting of the two halves C C', with fulcrum E between them, bolt-holes D' through them, and lateral and rearward projecting studs  $c c'$ , combined with binding-screw D, and a shoe having holes  $c^2 c^3$  inclined laterally and rearward, substantially as shown and described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

CHARLES B. HITCHCOCK.

Witnesses:

E. O. FRINK,  
O. V. HUGO.