

(No Model.)

R. H. CARSWELL.  
HORSESHOE CUSHION.

No. 592,277.

Patented Oct. 26, 1897.

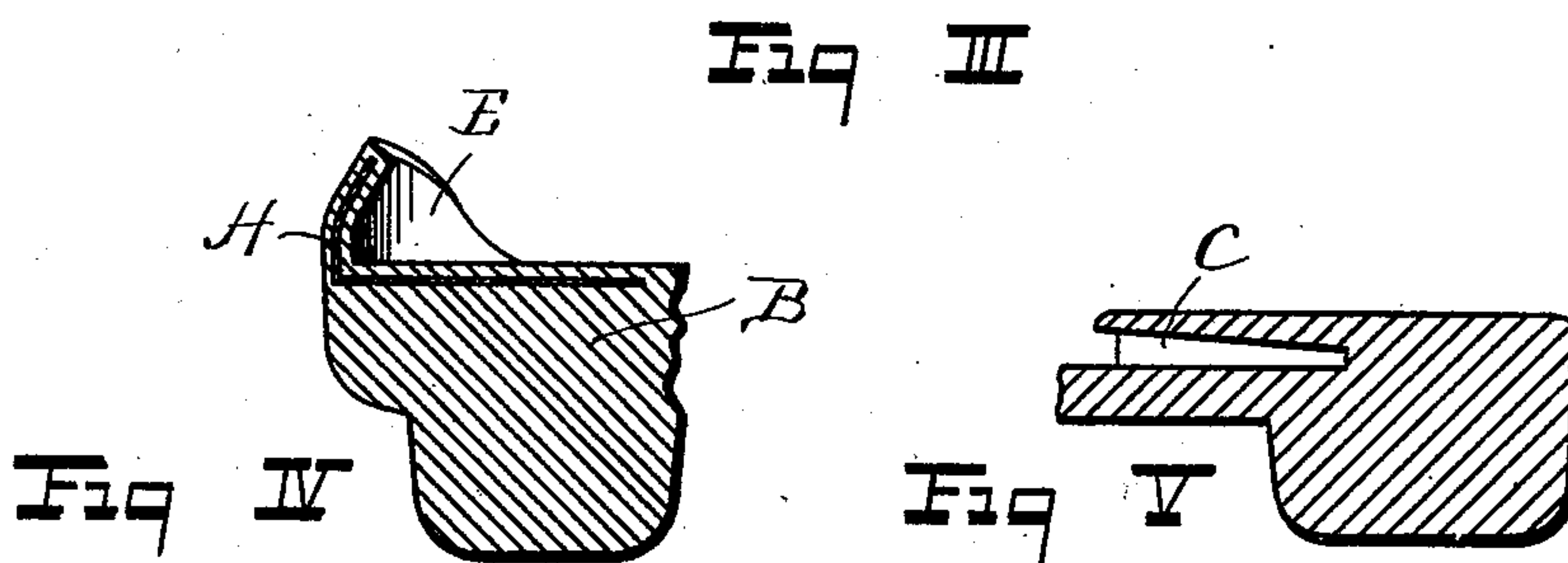
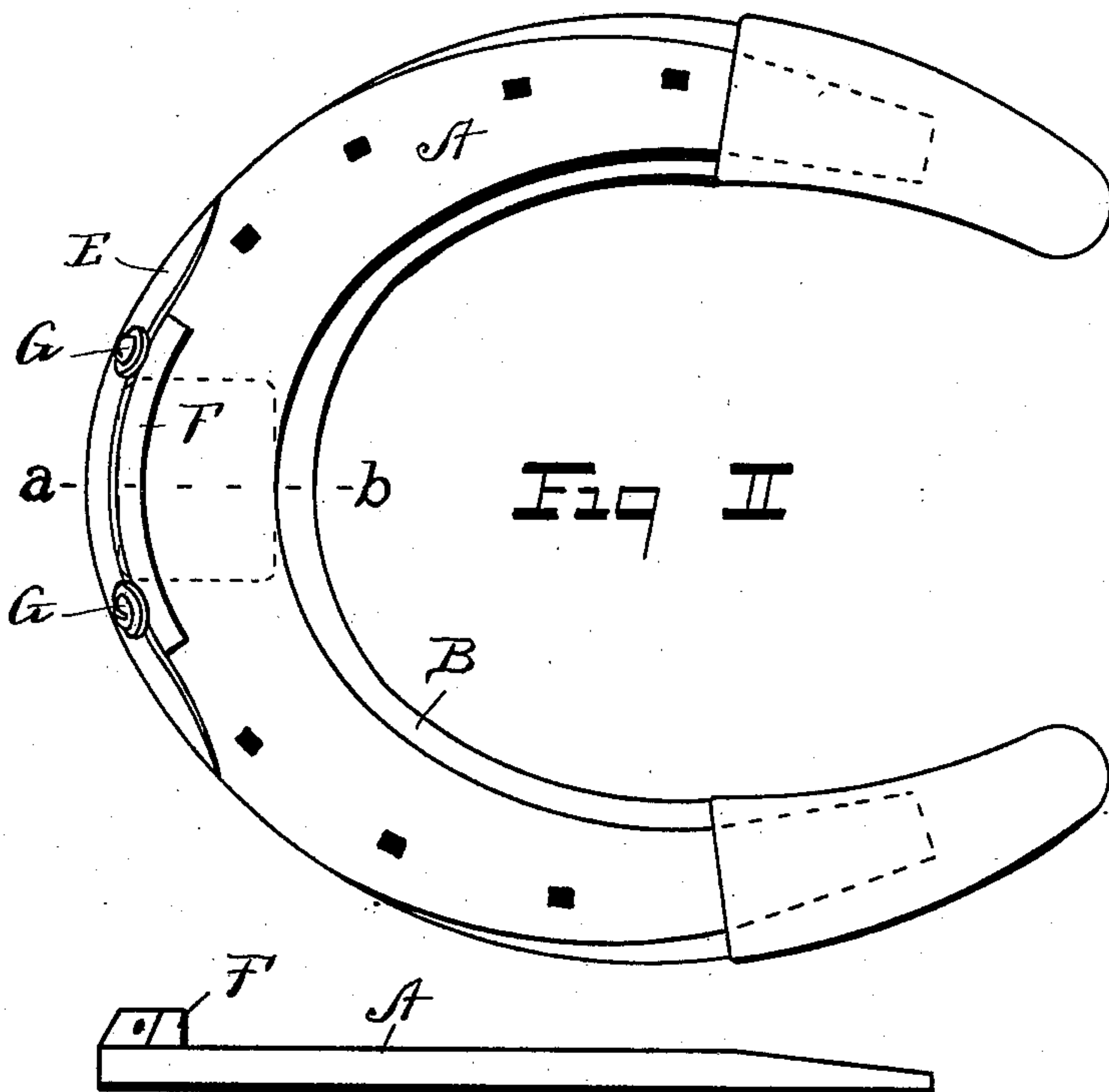
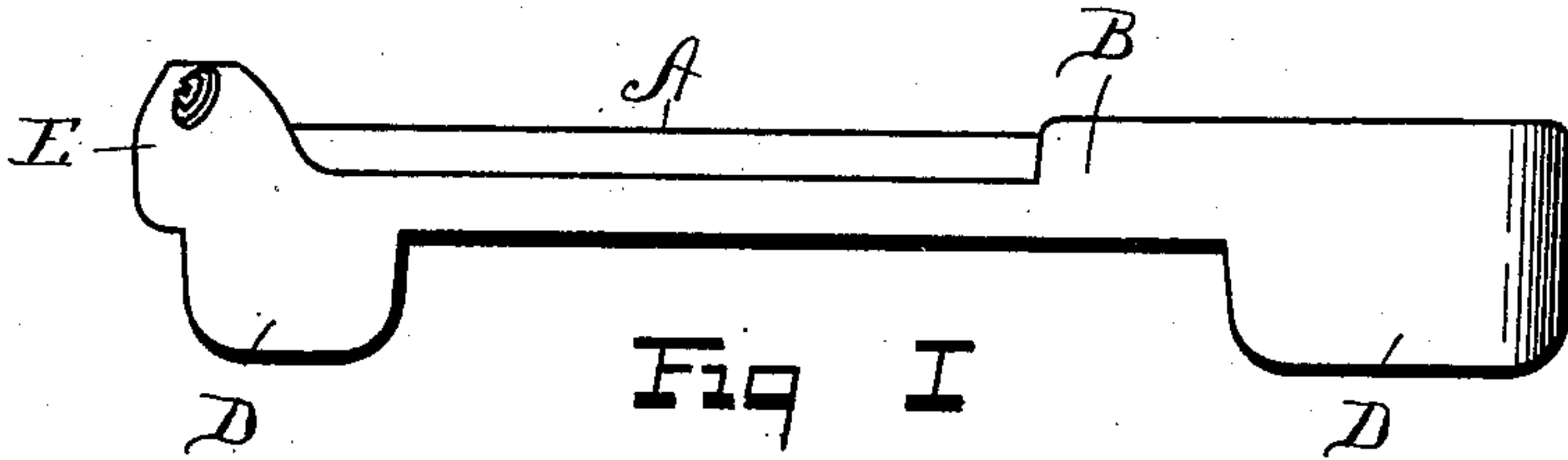


Fig IV

Fig V

WITNESSES: Robert H. Carswell. INVENTOR

Wm. Imboden  
R. H. House

BY  
Harren D. House  
ATTORNEY.

# UNITED STATES PATENT OFFICE.

ROBERT H. CARSWELL, OF KANSAS CITY, MISSOURI.

## HORSESHOE-CUSHION.

SPECIFICATION forming part of Letters Patent No. 592,277, dated October 26, 1897.

Application filed June 29, 1896. Serial No. 597,369. (No model.)

*To all whom it may concern:*

Be it known that I, ROBERT H. CARSWELL, a citizen of the United States, residing at Kansas City, in the county of Jackson and State of Missouri, have invented certain new and useful Improvements in Horseshoe-Cushions, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to improvements in horseshoe-cushions.

The object of my invention is to provide a cushion or auxiliary shoe composed of some yielding material, such as soft rubber, which may be readily attached to a horseshoe for the purpose of preventing contact of the shoe with the pavement.

With the use of my invention the hoof is preserved from the evil effects of concussion, and much noise occasioned by the horse traveling on the pavement is avoided.

My invention further consists in certain novel ways of securing the cushion to the shoe.

My invention consists, still further, in peculiarities of construction hereinafter fully described and claimed.

In the accompanying drawings, which illustrate my invention, Figure 1 represents a side elevation of one form of my invention. Fig. 2 represents a top view of the same. Fig. 3 represents a side elevation of a shoe adapted to be used with the form of invention shown in Figs. 1 and 2. Fig. 4 represents a vertical sectional view taken on the dotted lines *a b* of Fig. 2 of the forward part of the cushion. Fig. 5 represents a vertical section of the heel of the cushion, showing recess or pocket in which the heel of the shoe is inserted.

Similar letters of reference indicate similar parts throughout the different views.

Referring to Figs. 1, 2, 3, 4, and 5, A indicates the horseshoe, to which the cushion B is secured. The general shape of the cushion conforms to the shape of the shoe, the heels of the cushion being provided with pockets C, into which are fitted the heels of the shoe. The heels of the shoe in this form of my invention have their sides and the top beveled or converging, so as to better permit the insertion of the heels of the shoe into the pockets of the cushion. The under side of the cushion at the toe and the heels may be pro-

vided with calks D, formed integral with the cushion, preferably, and preferably composed of a substance similar to the material of which the cushion is composed, which may be of soft rubber or other yielding or resilient material. The forward part of the cushion is provided with a clamping device for securing the cushion to the toe of the shoe and which may be of any suitable construction. In the drawings is illustrated a preferable form of clamping device designed for this purpose and consisting in an upwardly-extending flap E, which is adapted to be secured to the front side of a flange F, which extends upward from the upper side of the shoe at its toe by means of two screws G, which pass through the flap and engage screw-threaded openings in the front side of the flange F.

In order to increase the strength of the clamping device which I have just described, I reinforce the flap E in the following manner: Embedded in the forward part of the cushion B is a horizontal plate H of a substance such as copper. The plate H at its forward end is bent upwardly and the upwardly-bent portion is embedded in the flap E. In attaching the cushion to the shoe, after the shoe has been secured to the hoof, the pockets have inserted in them the beveled ends of the shoe, that portion of the cushion over the pockets being inserted between the hoof and the shoe. The flap E is then hammered so as to fit the hoof closely, after which the screws G are secured in place. The copper plate H, being pliable, holds the rubber flap in the position in which it has been placed.

My invention may be subjected to various modifications without departing from its spirit.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. In a horseshoe-cushion, the combination with the body of the cushion having recesses or pockets adapted to receive the heels of the horseshoe, of means for securing the cushion to the toe of the horseshoe, substantially as described.

2. In a horseshoe-cushion, the combination with the body of the cushion having pockets or recesses adapted to receive the heels of the horseshoe, and a flap at its forward end, of



means for securing the said flap to the toe of the horseshoe, substantially as described.

3. In a horseshoe-cushion, the combination with a horseshoe having a projection upwardly extending from the toe, of a covering for the bottom of the shoe having pockets or recesses for the reception of the heels of the horseshoe, said covering being provided with a flap, and means for securing the flap to the horseshoe, substantially as described.

4. In a cushion for a horseshoe, the combination with a covering for the bottom of the horseshoe, of the shoe, means for securing the said covering to the heels of the horseshoe, and a clamping device for securing the said covering to the toe of the shoe, substantially as described.

5. As an article of manufacture, a cover for the bottom of the horseshoe composed of

yielding material, and having pockets for the reception of the heels of the shoe, and a flap of yielding material for engaging the forward part of the hoof for the purpose of securing the covering to the shoe, substantially as described.

6. As an article of manufacture, a cover for the bottom of the horseshoe composed of yielding material and having pockets for the reception of the heels of the shoe, and a flap at its forward end having embedded therein a metallic plate, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

ROBERT H. CARSWELL.

Witnesses:

WARREN D. HOUSE,  
KEENER M. IMBODEN.