

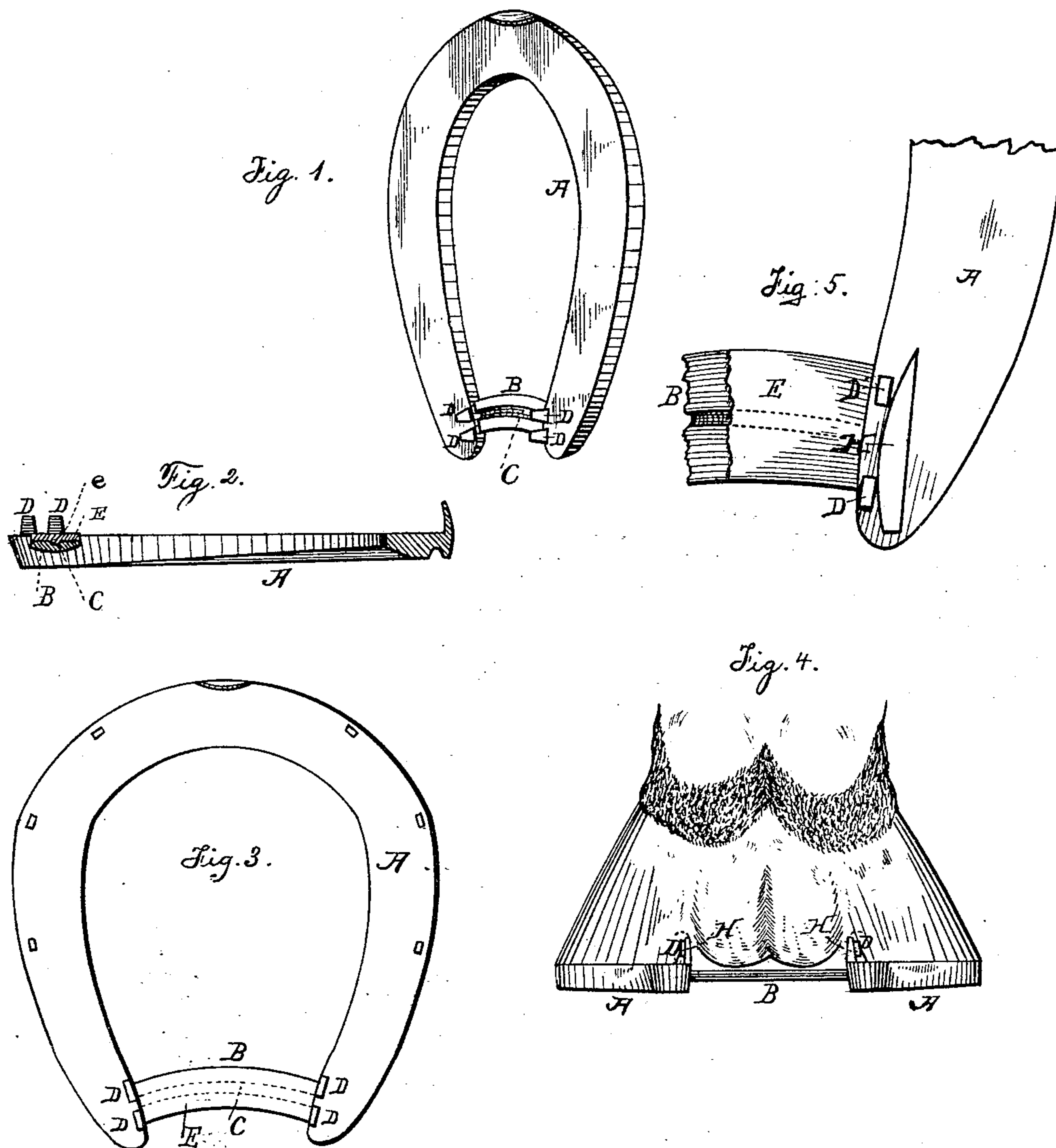
(No Model.)

H. GOURDIER.

HORSESHOE.

No. 273,677.

Patented Mar. 6, 1883.



Witnesses;
Chas. Gill
Herman Gustow

Inventor;
Henry Gourdier
By his atty.-
Cox and Cox

UNITED STATES PATENT OFFICE.

HENRY GOURDIER, OF NEW YORK, N. Y.

HORSESHOE.

SPECIFICATION forming part of Letters Patent No. 273,677, dated March 6, 1883.

Application filed September 2, 1881. Renewed January 27, 1883. (No model.)

To all whom it may concern:

Be it known that I, HENRY GOURDIER, of New York, in the county of New York and State of New York, have invented a new and
5 useful Improvement in Horseshoes, of which the following is a specification, reference being had to the accompanying drawings.

The invention has relation to improvements in horseshoes, and has for its object the
10 production of a shoe which may be employed to produce results of a highly beneficial character in the treatment of horses' hoofs, especially in cases where the foot of the horse has a tendency to contract at the heel.

Referring to the accompanying drawings,
15 Figure 1 is a perspective view of a shoe embodying the elements of the invention. Fig. 2 is a central vertical longitudinal section of same, with the rubber pad in position. Fig. 3 is a top view of same. Fig. 4 is a view
20 showing the shoe applied to a horse's hoof; and Fig. 5 is an enlarged detached view, illustrating the preferred form of wedge.

A denotes the principal part of the shoe,
25 and B a bar or band connecting its heel ends. The bar B differs from other bars which have been used for connecting the ends of horseshoes, in that its upper surface is below the upper plane of the shoe, and its lower sur-
30 face above the lower plane thereof, as illustrated in Figs. 1 and 4. At a point about where the bar is connected with the shoe the projections or clips D D are provided, being of appropriate size and form and separated
35 from each other, so as to hold the wedge H in place, as shown with sufficient accuracy in Fig. 5.

E is a cushion, formed by preference of rubber or other elastic material of suitable
40 character, which is adapted to fit between the projections or clips D, a ridge, *e*, on the lower side of the cushion being formed to occupy the groove C in the bar B, the purpose of the ridge and groove being to prevent the cushion from slipping away from the shoe. When
45 in use the frog of the horse's foot will rest upon the cushion.

Fig. 4 illustrates the application of the shoe to a horse's hoof, and the use of the wedge H,
50 the shape of the wedge being shown more

clearly in Fig. 5; but the shape may be varied, if desired, to meet the special requirements of any case.

The shoe will be used either with or without the clips and wedges. In many instances
55 it will be made with the sunken bar or band B, and in other respects like an ordinary shoe, the cushion being inserted and the shoe nailed in place in the customary way; and, if preferred, the band B may be omitted and the
60 clips and wedges used without the cushion. When the clips are used, the hoof is cut at the heel to permit of the introduction of the projections or clips D, the cushion is inserted in place, and, the shoe having been nailed on, the
65 wedge is utilized to produce a pressure of the sides of the heel away from the clips to such an extent as may be necessary, according to circumstances. The wedge will be of a size
70 adapted to the effectuation of such a separation as may be desired, and the cushion will be of such thickness and density as to properly support the frog. The parts hereinbefore described will be used at will, as the
75 judgment of the operator may indicate.

The bar B is to support that portion of the frog of the foot known as the "heel," in lieu of cutting it off, as is now the usual method of treating it. By not removing the frog, and by employing the shoe having the bar B, the horse has what
80 may be termed a "heel-pressure." The foot is supported in rear as well as at the front. If the frog is large, the cushion E is not employed; but if it is too small to reach the bar B the said cushion is made use of. The bar B is in
85 contact with the foot only at the heel thereof.

The shoe, including the bar and clips, will preferably be cast in one piece.

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

1. A horseshoe having its heel ends connected by the band B, the upper surface of the band being below the upper plane of the shoe and supplied with a groove or indentation, C, in combination with the cushion E,
90 adapted to be received by the band B, substantially as set forth. 95

2. A horseshoe provided with clips D at each of its sides, in combination with the wedges H, whereby a contracted hoof may be spread 100

without altering the shape of the shoe, substantially as set forth.

3. The combination, with a horseshoe, of one or more clips, D, band B, and a wedge or wedges, H, substantially as specified.

In testimony that I claim the foregoing improvement in horseshoes, as above described,

I have hereunto set my hand this 18th day of August, 1881.

HENRY GOURDIER.

Witnesses:

CHAS. C. GILL,
BYRON ROSE.