

No. 639,743.

Patented Dec. 26, 1899.

W. S. LAYCOCK.

HORSESHOE PAD.

(Application filed May 13, 1899.)

(No Model.)

FIG. 1.

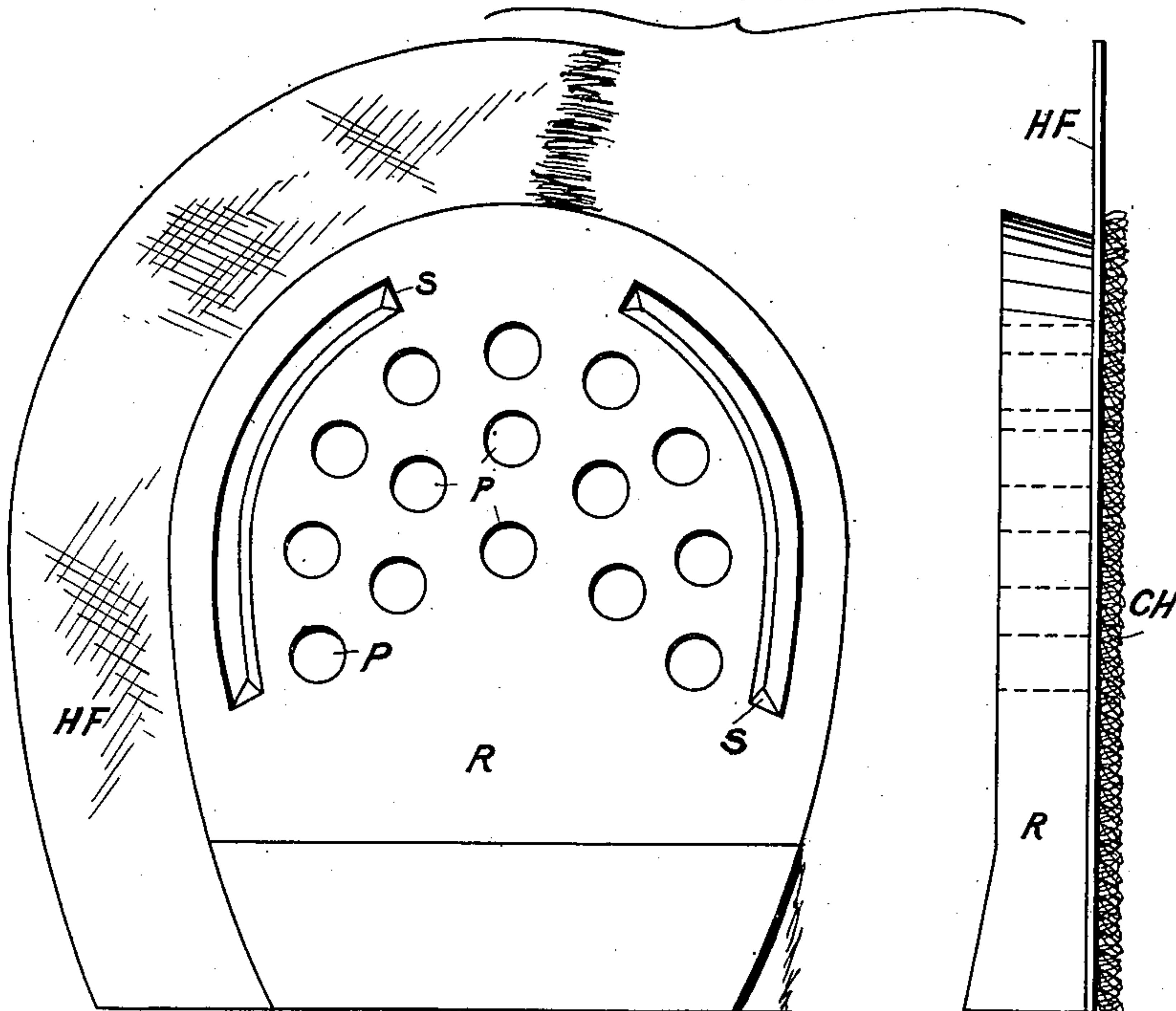


FIG. 2.

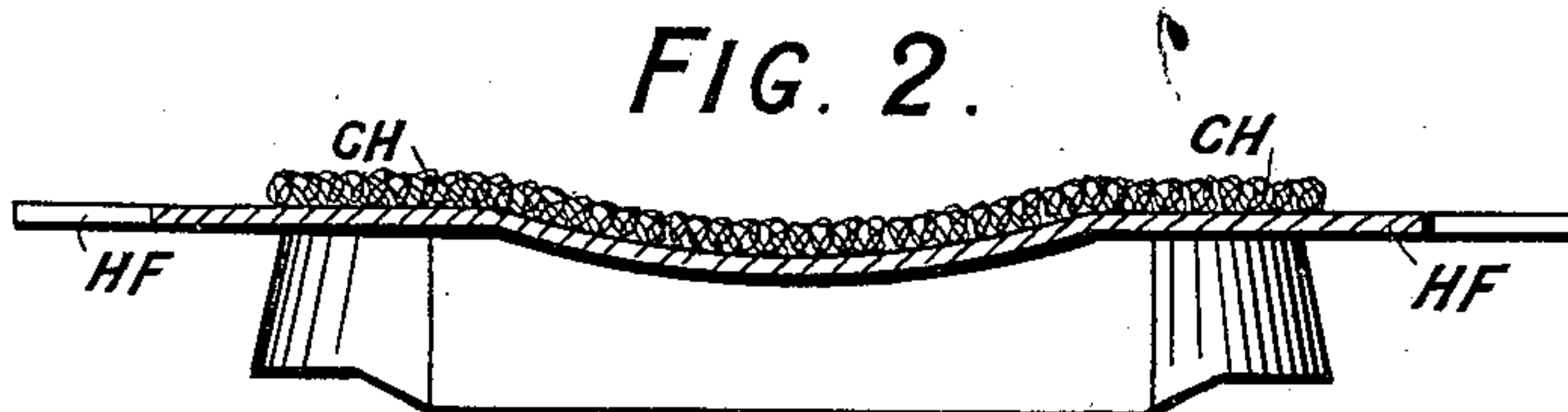
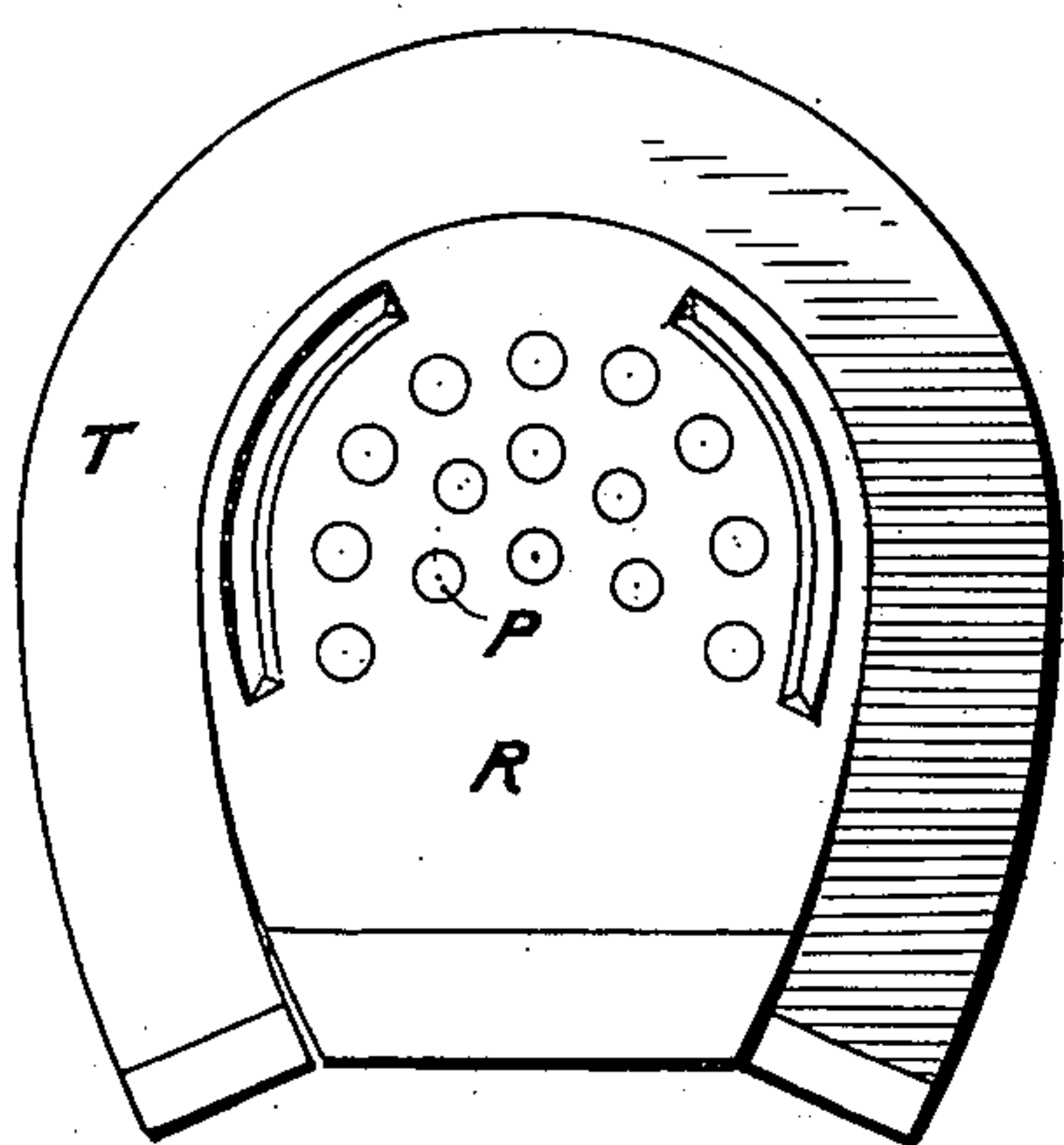
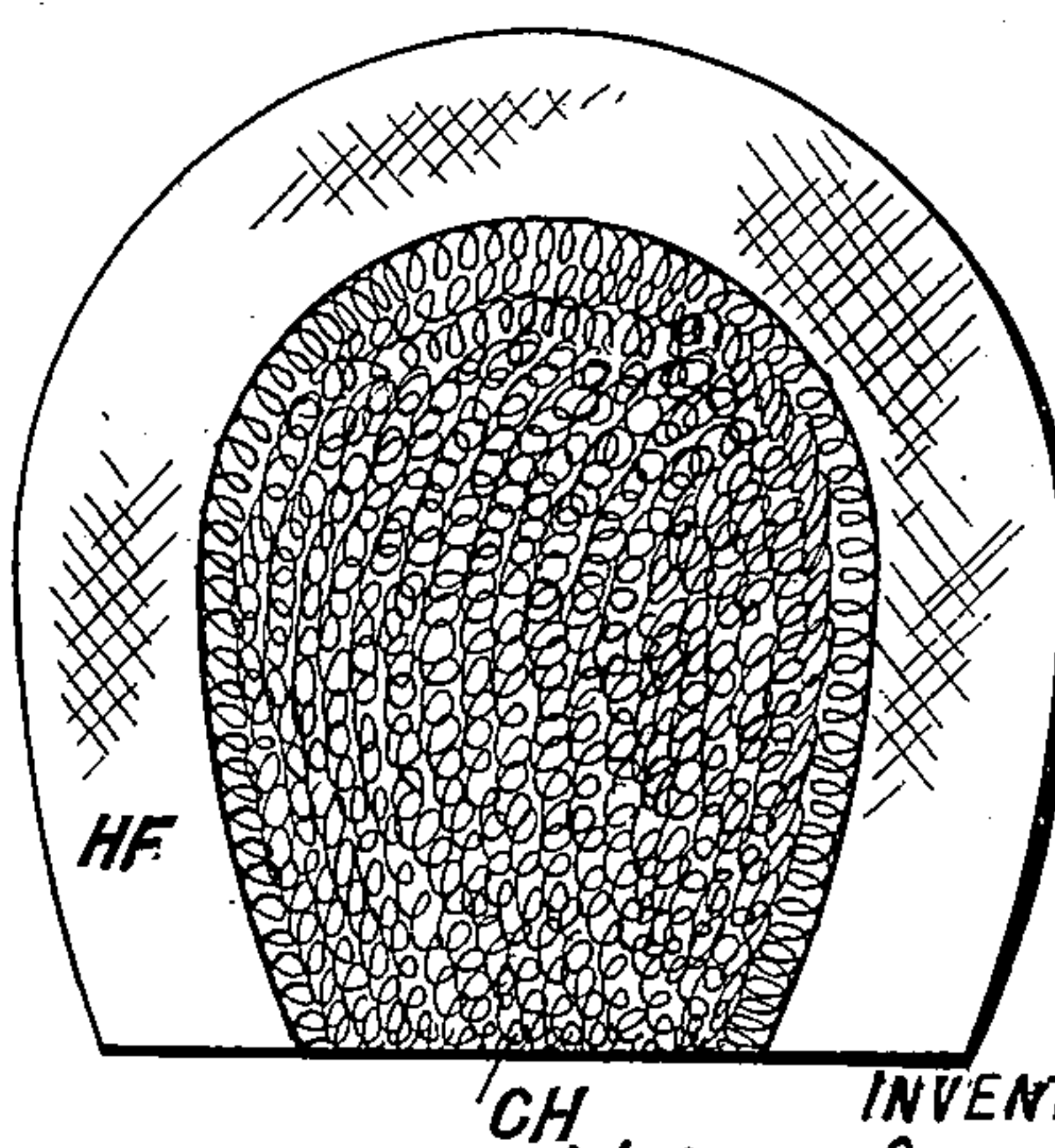


FIG. 4.



WITNESSES:
Ella L. Giler
[Signature]

FIG. 3.



INVENTOR
William Samuel Laycock
[Signature]
ATTORNEYS

UNITED STATES PATENT OFFICE.

WILLIAM SAMUEL LAYCOCK, OF SHEFFIELD, ENGLAND.

HORSESHOE-PAD.

SPECIFICATION forming part of Letters Patent No. 639,743, dated December 26, 1899.

Application filed May 13, 1899. Serial No. 716,757. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM SAMUEL LAYCOCK, a subject of the Queen of Great Britain, residing at Sheffield, York county, England, have invented certain new and useful Improvements in Horseshoe-Pads, of which the following is a specification.

My invention relates to improvements in the construction of pads to be placed between the hoof of the animal and the metallic shoe, the object being to provide a cushion for the foot of the animal and to prevent slipping without interfering with the requisite ventilation of the foot.

It consists of a combination of rubber, (or rubber compound,) hair fabric, and curled or woven hair, arranged and combined in the following manner and illustrated in the annexed drawings, in which—

Figure 1 is a representation of the under side of a pad and an edge view of same. Fig. 2 is an end view of same from the heel in a reversed position. Fig. 3 is a view of the top side (or plan) on a reduced scale; Fig. 4, a plan of the under side with the shoe in position.

In carrying out my invention I take a piece of hair fabric, (marked H F,) consisting, preferably, of two or more thicknesses sewed together and of the full size of and conforming to the shape of a horse's hoof, and I secure to its under side, by sewing or otherwise, a block of rubber R or other suitable compound, having a number of perforations P, which are open to the fabric and are for the purpose of ventilation. Although shown as round holes in the drawings, they may be of other forms and may vary in number. The long grooves or

slots S are required to protect the stitches when the rubber is sewed to the fabric. I arrange the size of the rubber pad so that it shall project slightly beyond the face of the metallic shoes T. Upon the upper face of the hair fabric H F, I sew or attach by other means a cushion of curled or woven hair CH to bear against the frog or center part of the hoof, and I prefer to reduce the thickness of the pad at this part in order to avoid undue pressure upon the frog.

I sometimes in addition to or in substitution for the layer of curled or woven hair CH shown upon the upper face of the fabric H F use a similar layer or one of looser texture upon the under side between the rubber R and the hair fabric; but this is optional. The metal shoe T fits against the margin of the hair fabric, which extends beyond the rubber, and the nails which secure the shoe pass through the fabric also, and thus secure the pad between the shoe and the hoof.

What I desire to claim is—

A horseshoe-pad consisting of a perforated rubber block conforming to the inside shape of a metallic shoe, a piece of horsehair fabric conforming to the outside shape of the metallic shoe, and provided with a cushion of woven hair of very open texture to bear upon the frog of the foot, said rubber block being sewed to the horsehair fabric, as hereinbefore described and shown.

In witness whereof I have hereunto set my hand in presence of two witnesses.

WILLIAM SAMUEL LAYCOCK.

Witnesses:

ROBERT F. DRURY,
LEONARD A. RYALLS.