

No. 632,423.

Patented Sept. 5, 1899.

G. J. PEACOCK.
HORSESHOE.

(Application filed Apr. 1, 1899.)

(No Model.)

Fig. 1.

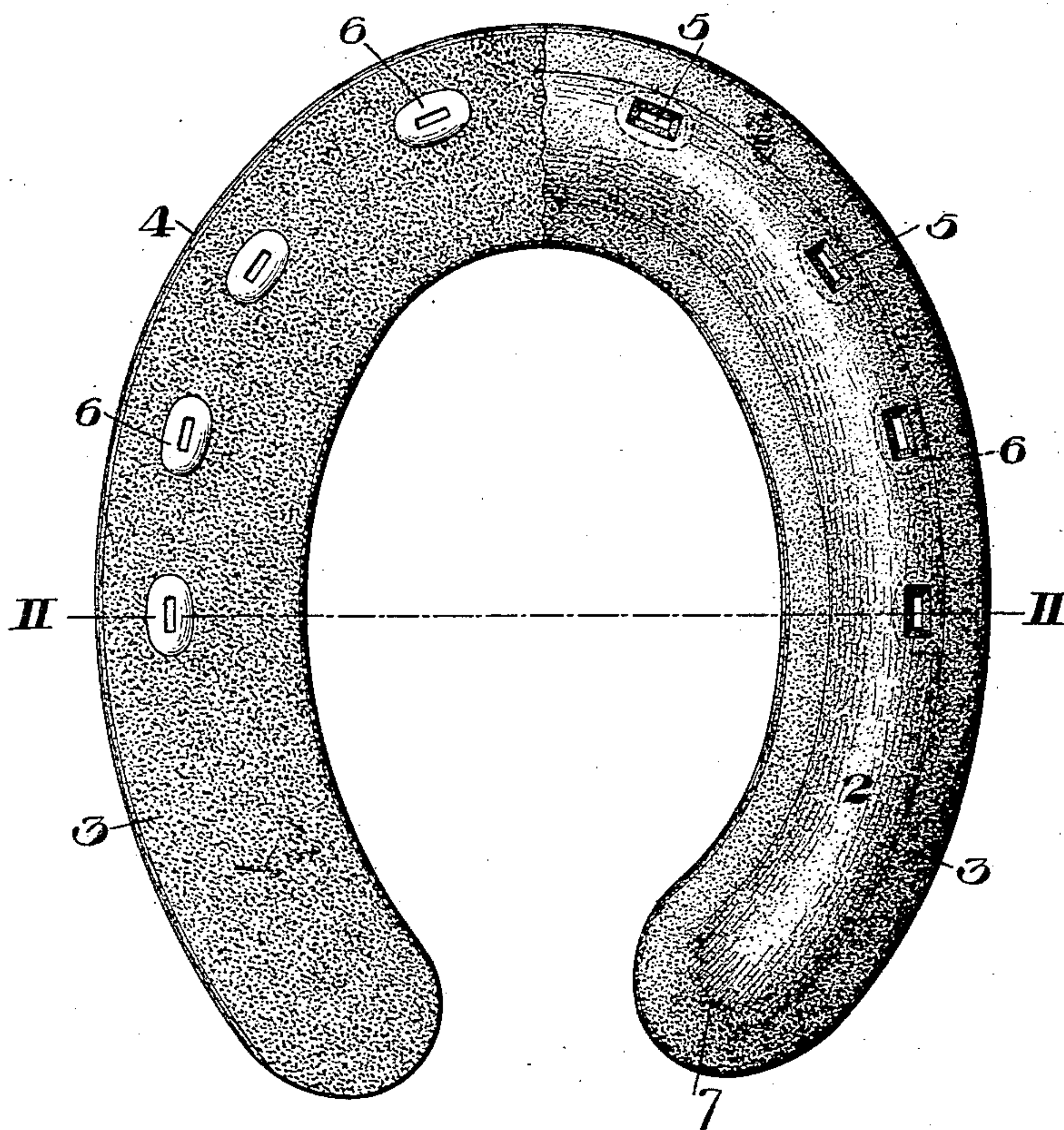
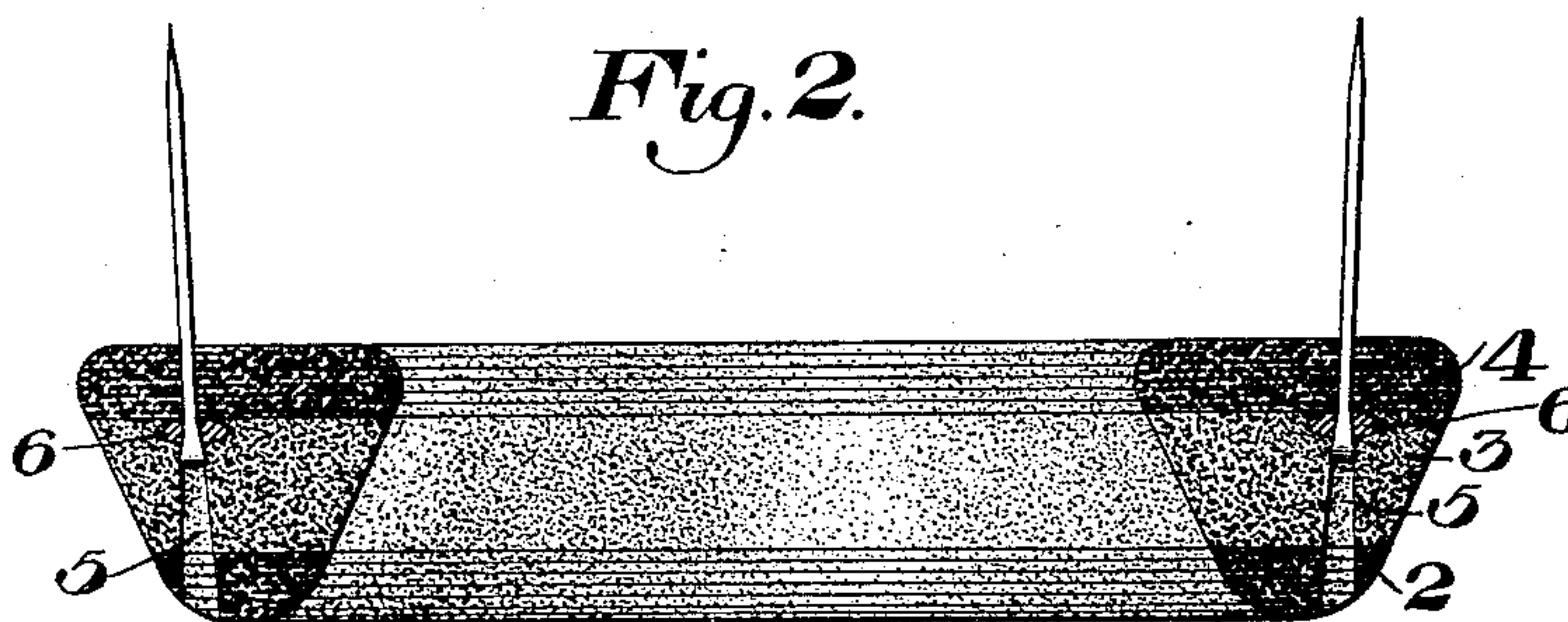


Fig. 2.



WITNESSES

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UNITED STATES PATENT OFFICE.

GEORGE J. PEACOCK, OF PITTSBURG, PENNSYLVANIA, ASSIGNOR OF THREE-EIGHTHS TO HARRY V. POTTER, OF SAME PLACE, AND ANNA B. PEACOCK, OF BUFFALO, NEW YORK.

HORSESHOE.

SPECIFICATION forming part of Letters Patent No. 632,423, dated September 5, 1899.

Application filed April 1, 1899. Serial No. 711,457. (No model.)

To all whom it may concern:

Be it known that I, GEORGE J. PEACOCK, of Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Composition Horseshoes, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a bottom plan view, partly broken away, of my improved horseshoe; and Fig. 2 is a cross-section on the line II II of Fig. 1, showing the nails in place.

My invention relates to the class of horseshoes composed of rubber or other suitable composition, and is designed to afford a shoe of this character which shall possess a tough and resistant wearing-face, giving the shoe a long life, and, further to, provide an upper tough layer which shall prevent pulling out of the nails, the shoe having an intermediate cushioning portion.

In the drawings I show a shoe with a lower wearing or tread portion 2 composed of heavy linen and rubber, forming a woven fabric, an intermediate portion 3 of rubber or similar composition, and an upper portion 4 of linen and rubber fabric, similar to the portion 2.

The shoe preferably tapers downwardly in cross-section, giving general triangular shape, the angles being rounded off and nail-holes 5 being molded in the shoe. In order to prevent the sharp corners of the nails from wearing or cutting the shoe, I preferably provide small oblong metal washers 6, which are molded within the shoe in the upper portion of the cushion 3 and immediately beneath the fabric portion 4. These washers are preferably tapered outwardly and provided with rounded edges, as shown in Fig. 2.

The shoe may be made by placing the fabric portion 2 in the mold, superimposing the cushion part 3 with the washers therein, inserting the upper fabric portion 4, and then molding and vulcanizing. As shown in Fig. 1, the heel portion of the shoe is preferably beveled or inclined rearwardly at 7, so as to prevent its tearing off.

The advantages of my invention result

from the flexibility of the shoe, which, as no stiffening metal is used, is adjustable at every point, so that it will fit the natural bend of the hoof. The wearing-surface of the fabric material is found to be long-lived, and this material next to the hoof is found to give a nailing strength equal to iron. By actual test it has been found that the nail will pull from the hoof before its head will pull through this hardened rubber. The rubber portion between the hardened parts gives the desired elasticity or cushion action, and the shoe being molded in one piece makes a neat and attractive article. The shoe can be worn down to the hoof, as there is no metal to cut or wear, giving it a longer life than iron. The small washers or collars prevent the nails from wearing the rubber.

The upper and lower parts of the shoe may be hardened by the use of chemicals or by other means. The composition may be varied, as well as its shape. The washers of the shoe may be omitted. Leather, rawhide, or other suitable material may be used in place of the woven fabric, and many other variations will suggest themselves to those skilled in the art without departing from my invention.

I claim—

1. A composition horseshoe having upper and lower harder portions of woven fabric, with an intermediate softer layer; substantially as described.

2. A composition horseshoe having an upper and lower layer of vulcanized cloth and rubber fabric, an intermediate softer layer, and perforated washers within the shoe below the upper layer; substantially as described.

3. A composition horseshoe which tapers downwardly, said shoe having upper and lower layers of woven fabric and rubber, and an intermediate softer layer; substantially as described.

In testimony whereof I have hereunto set my hand.

GEORGE J. PEACOCK.

Witnesses:

G. I. HOLDSHIP,
C. BYRNES.