

No. 808,829.

PATENTED JAN. 2, 1906.

A. FISCHER.
HORSESHOE PAD.
APPLICATION FILED SEPT. 28, 1903.

Fig. 1.

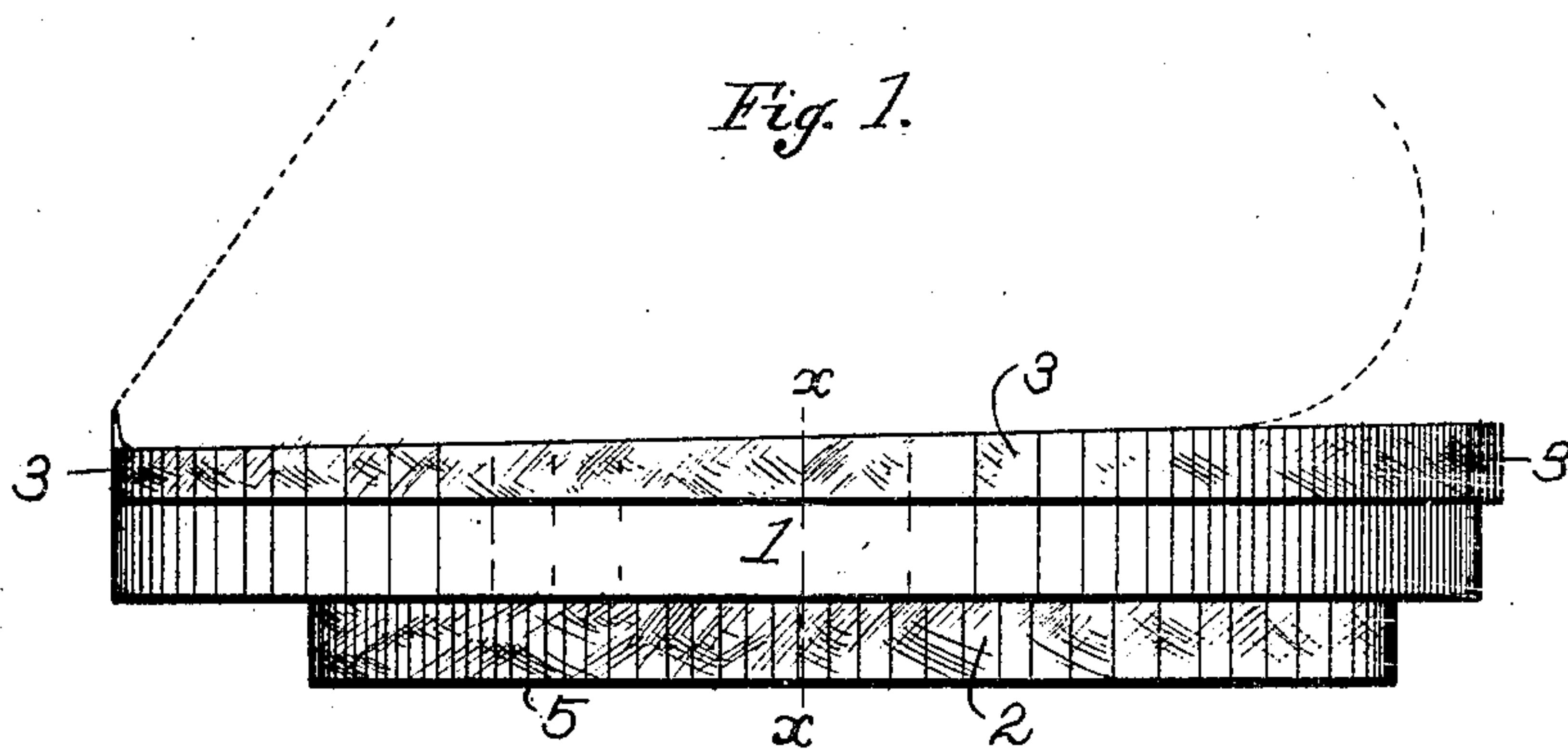


Fig. 2.

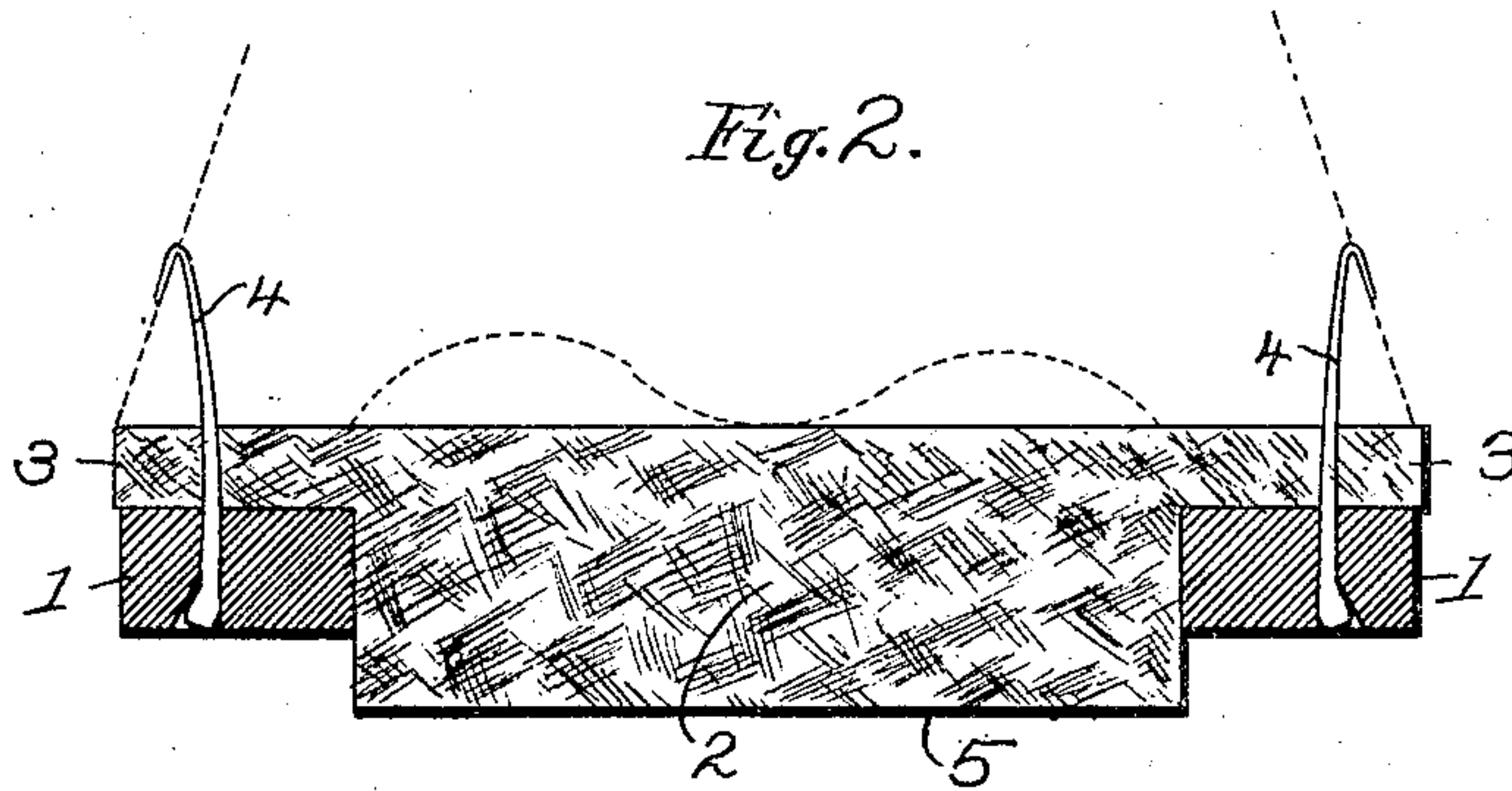
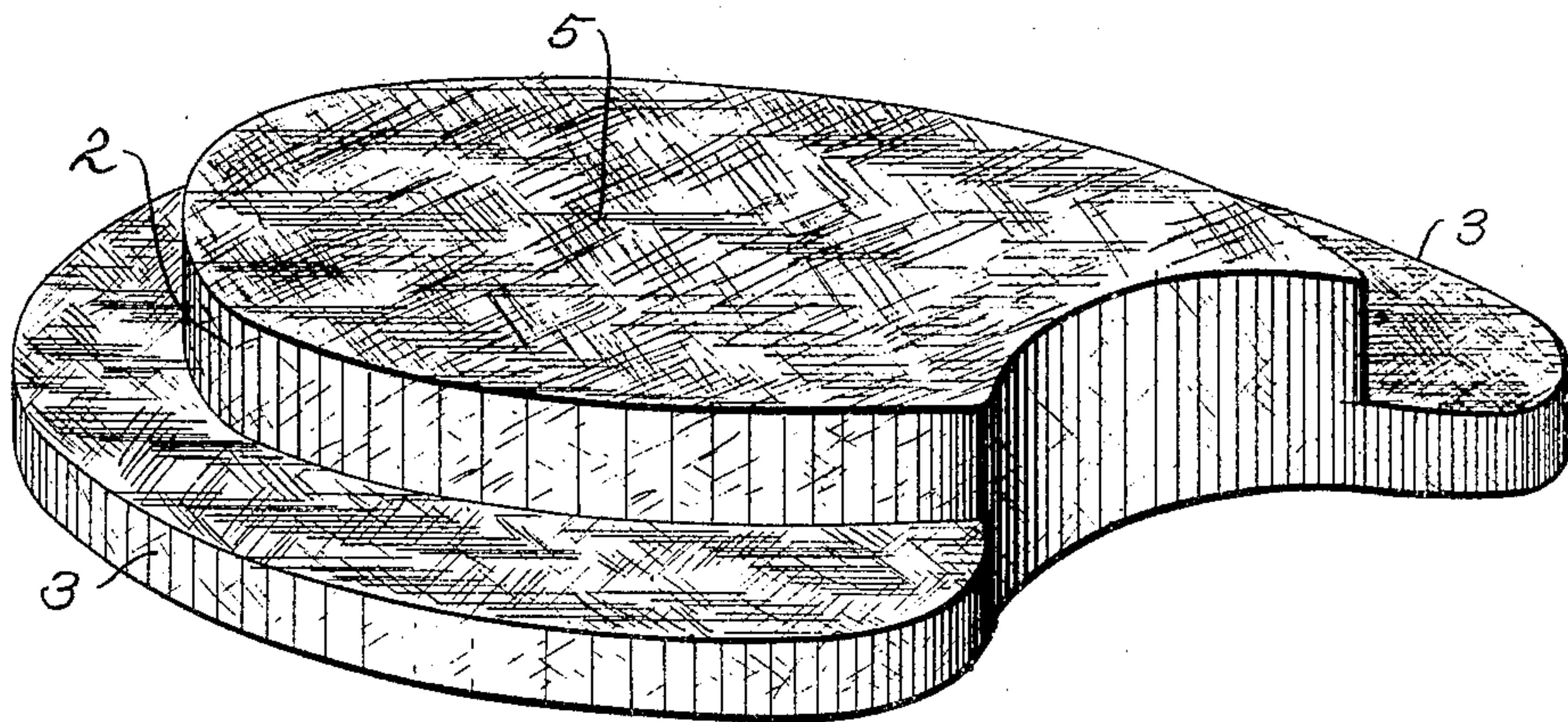


Fig. 3.



Witnesses.

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ADOLPH FISCHER, OF MILWAUKEE, WISCONSIN.

HORSESHOE-PAD.

No. 808,829.

Specification of Letters Patent.

Patented Jan. 2, 1906.

Application filed September 28, 1903. Serial No. 174,855.

To all whom it may concern:

Be it known that I, ADOLPH FISCHER, a citizen of the United States, residing at Milwaukee, county of Milwaukee, and State of Wisconsin, have invented new and useful Improvements in Horseshoe-Pads, of which the following is a specification.

My invention relates to improvements in horseshoe-pads.

Heretofore rubber horseshoe-pads have been made which were formed to fit a metallic shoe and fill the central space underneath the frog of the horse's foot and having a part overlapping the metallic portion and interposed between the same and the hoof. It has also been attempted to provide felt pads for horses' feet, but so far as I am aware no attempt has been made to provide such a pad which would conform to the shape of the metallic shoe. Owing to the difficulty of providing a felt pad which would keep its shape, such pads have heretofore been found impractical, even where no attempt was made to have the pad conform to the hoof and metallic shoe. The use of felt or similar porous material has, however, been regarded as desirable owing to the fact that rubber shoes have proven detrimental on account of heating the hoof and frog and preventing respiration. Numerous attempts have been made, therefore, to provide felt shoes, and the object of this invention is to provide means whereby the felt may be rendered durable and its shape preserved in use, so that it can be fitted to the hoof and shoe and provided with projecting parts adapted to be interposed between the hoof and the metallic shoe without tearing away.

In the following description reference is had to the accompanying drawings, in which—

Figure 1 is a side view of my invention, showing the same as it is used in combination with a metallic shoe and with dotted lines indicating the position of a horse's hoof. Fig. 2 is a sectional view of the same, drawn on line $\alpha\alpha$ of Fig. 1. Fig. 3 is a perspective view of the pad.

Like parts are identified by the same reference characters throughout the several views.

1 is a metallic horseshoe without calks. The pad is formed with a thick central portion 2 and outwardly-projecting flanges 3. The central portion is adapted to be inserted through the central opening of the shoe, as shown, and the flanges 3 are formed to rest upon and cover the metallic shoe 1, so that the nails 4 used for securing the shoe in po-

sition will pass through the flanges 3 and serve to secure the pad in position, as shown in Fig. 2. The central portion of the pad projects below the metallic shoe 1 and forms a tread-surface 5. The pad is composed of felt saturated with cementitious composition composed of hard cement, tar, and resin, pine-tar being preferably used. The tar preserves the felt and prevents the same from decomposing. The resin preserves the porous qualities of the felt to a large degree, which might otherwise be wholly or in part destroyed by the cement.

Preparatory to applying the composition to the felt it is dissolved and mixed in a solution of benzene, alcohol, gasolene, and Venetian turpentine, whereby the ingredients are dissolved and a solution formed which will readily penetrate all portions of the felt, when, with the evaporation of the dissolving agents, the pad will be stiffened and the fibers of the felt united to form a pad which is specially adapted to resist strain and wear.

In preparing the composition used for saturating the felt of the pad the various ingredients are mixed in substantially the following proportions, to wit: hard cement, five and one-third ounces; pine-tar, five ounces; resin, one pound; Venetian turpentine, two ounces; gasolene, one pound; alcohol, one pound; benzene, four ounces. To this mixture two ounces of laurel-bay salve is preferably added. The presence of this ingredient serves to soften the frog.

What I claim is—

1. A horseshoe-pad comprising a block of felt having an outer margin conforming in shape and size substantially to a metallic horseshoe, and provided with a thick central portion adapted to fit the open central portion of the metallic horseshoe and projecting through the same; said pad being also provided with a connecting porous tissue of hard cement permeating all portions of the felt.

2. The combination with a metallic horseshoe, of a block of felt covering said shoe and having a thick central portion projecting through the central portion of the shoe, and a connecting porous tissue of hard cement permeating the felt.

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

ADOLPH FISCHER.

Witnesses:

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