

No. 639,105.

Patented Dec. 12, 1899.

G. W. SMITH.
RUBBER HORSESHOE.
(Application filed Oct. 11, 1899.)

(No Model.)

Fig. 2.

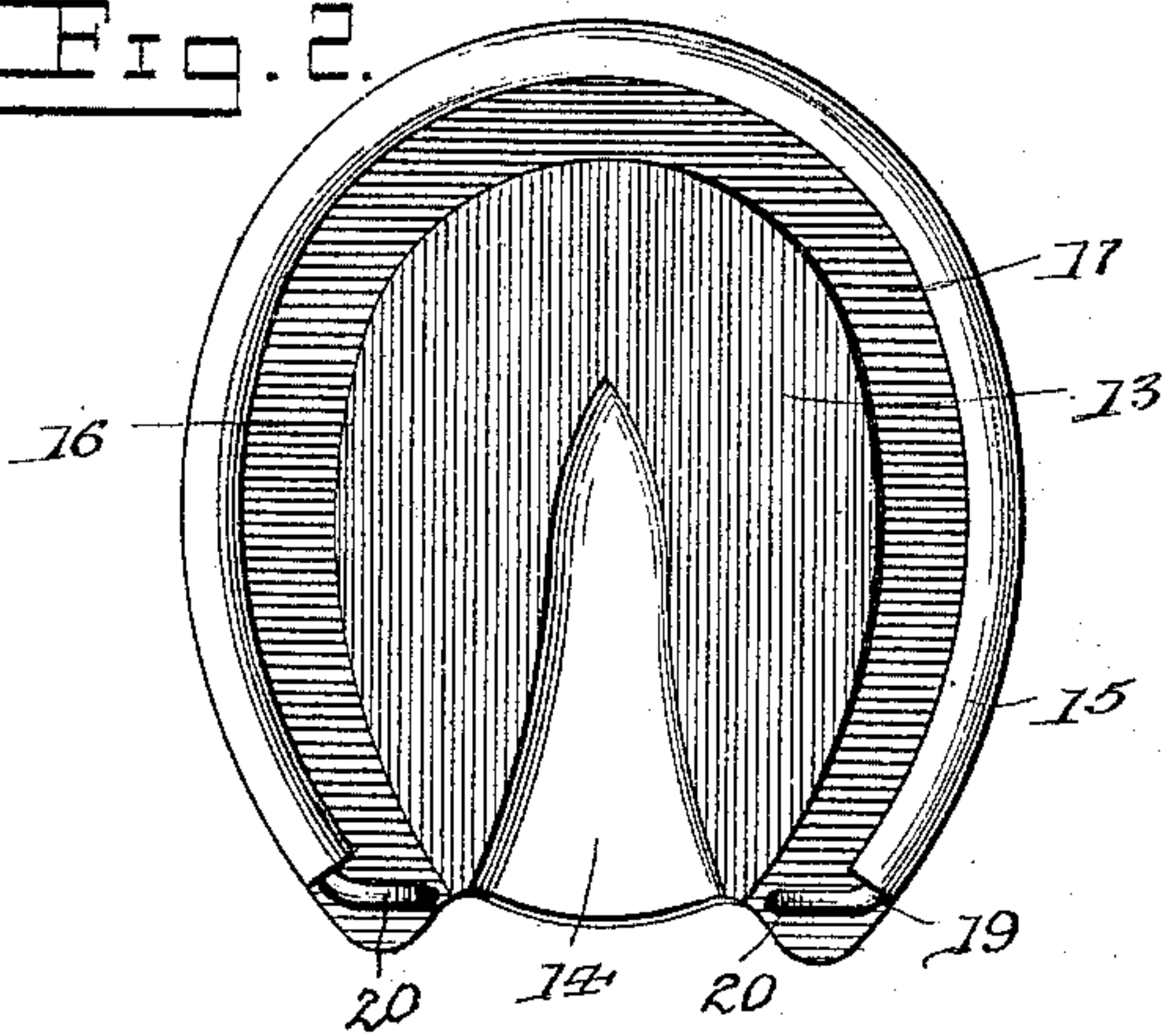


Fig. 3.

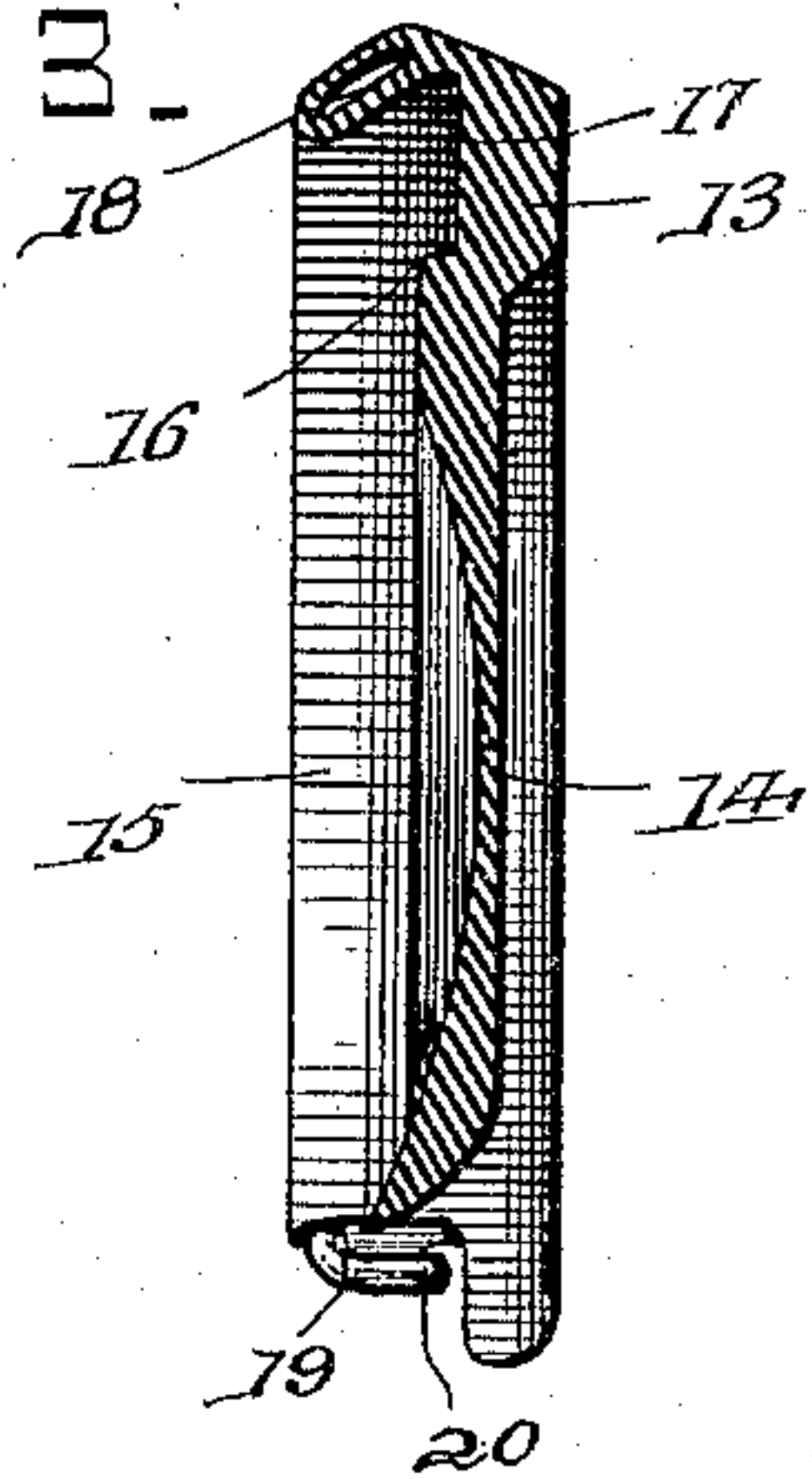


Fig. 4.

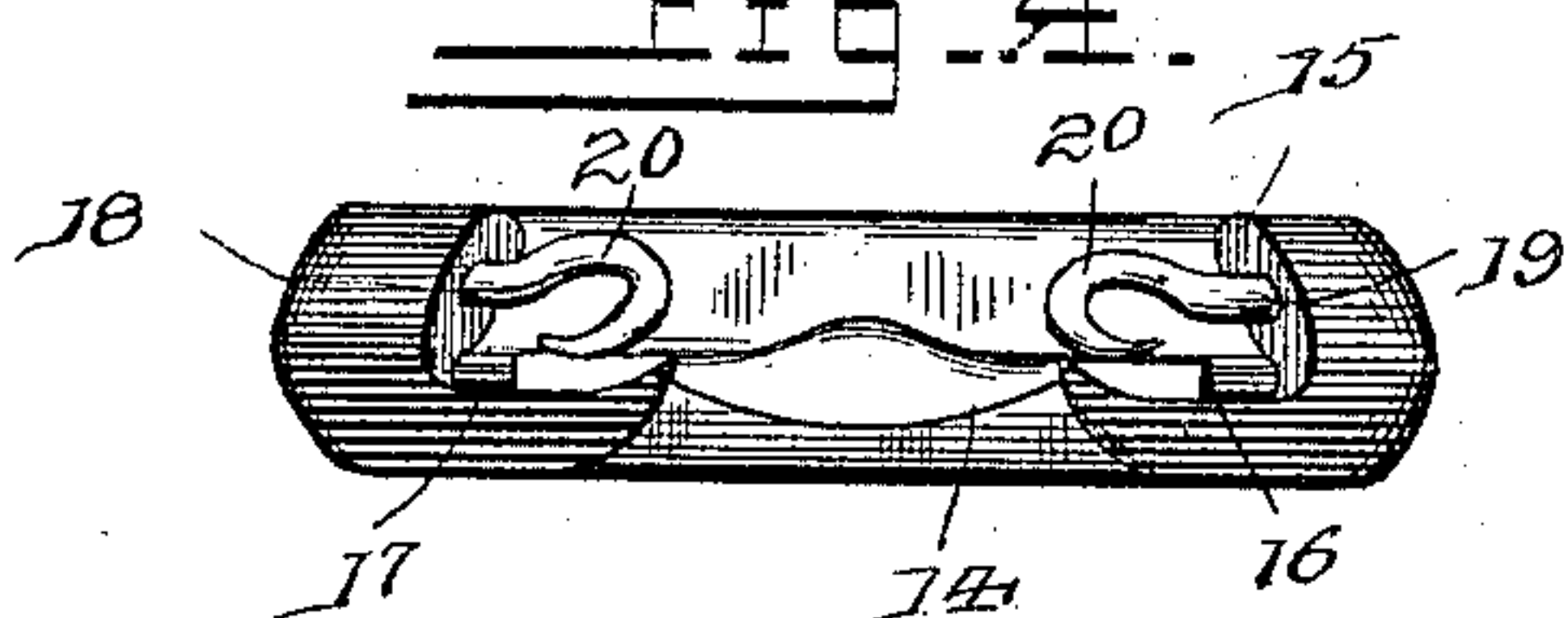


Fig. 5.

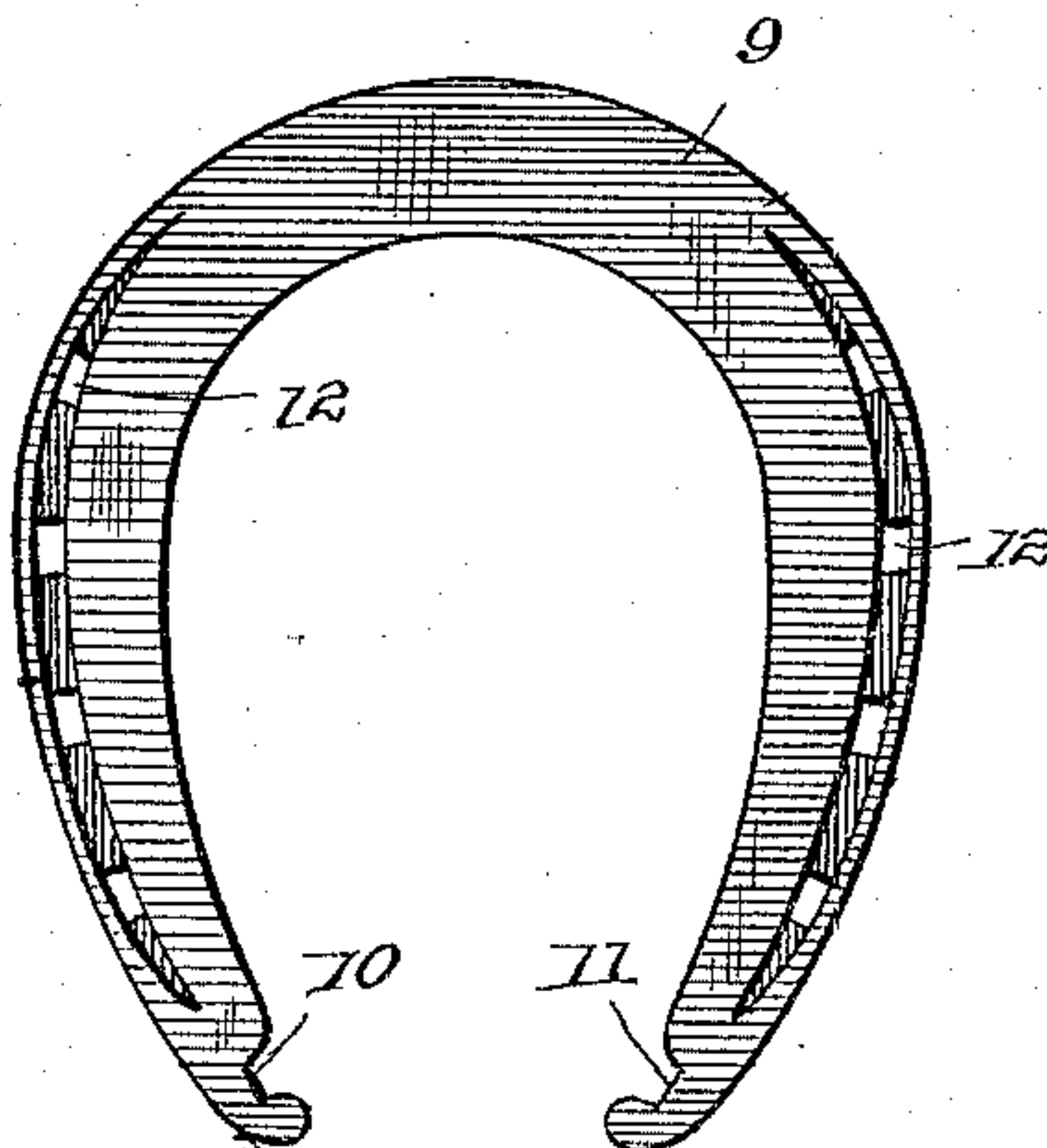


Fig. 6.

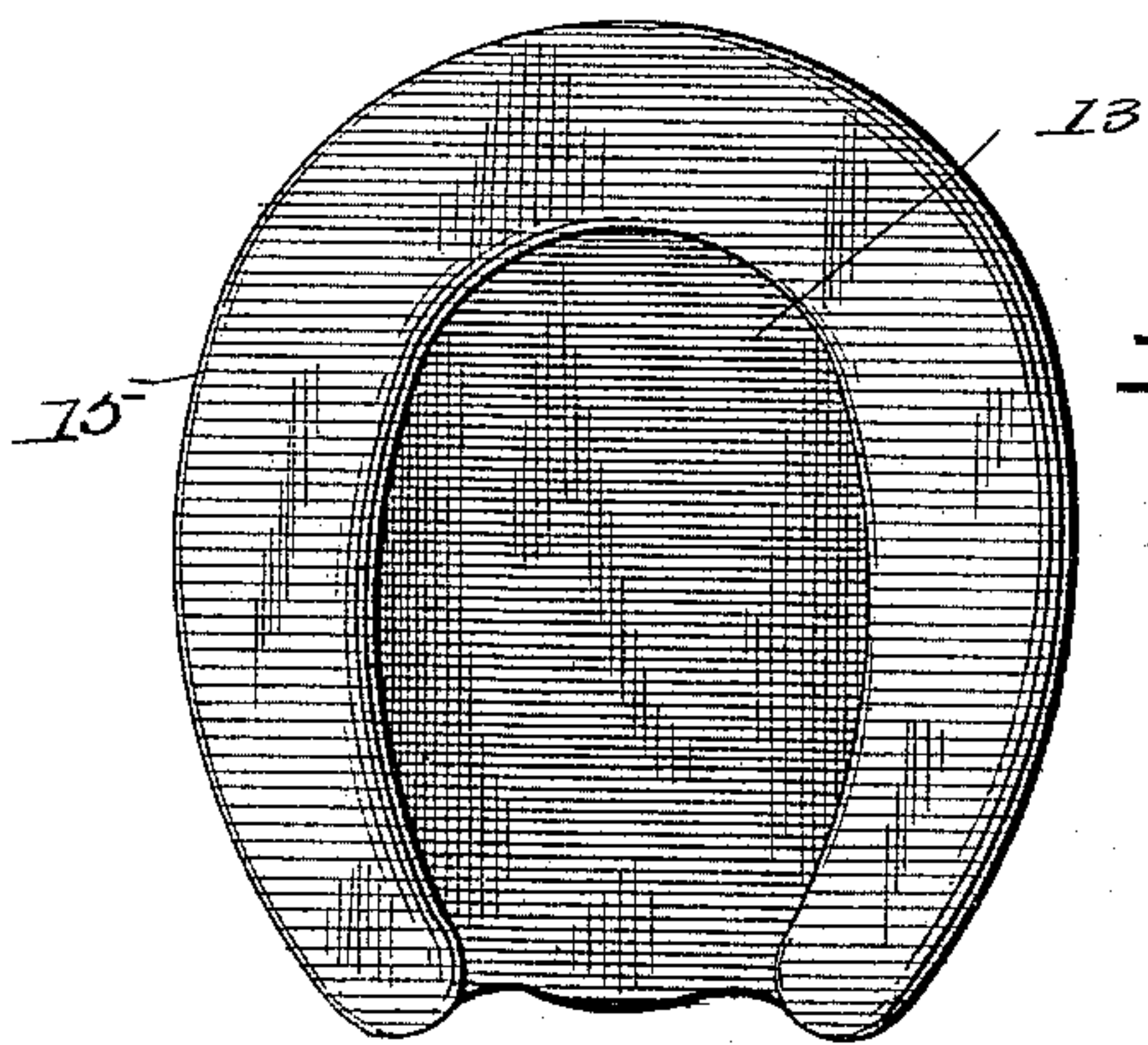
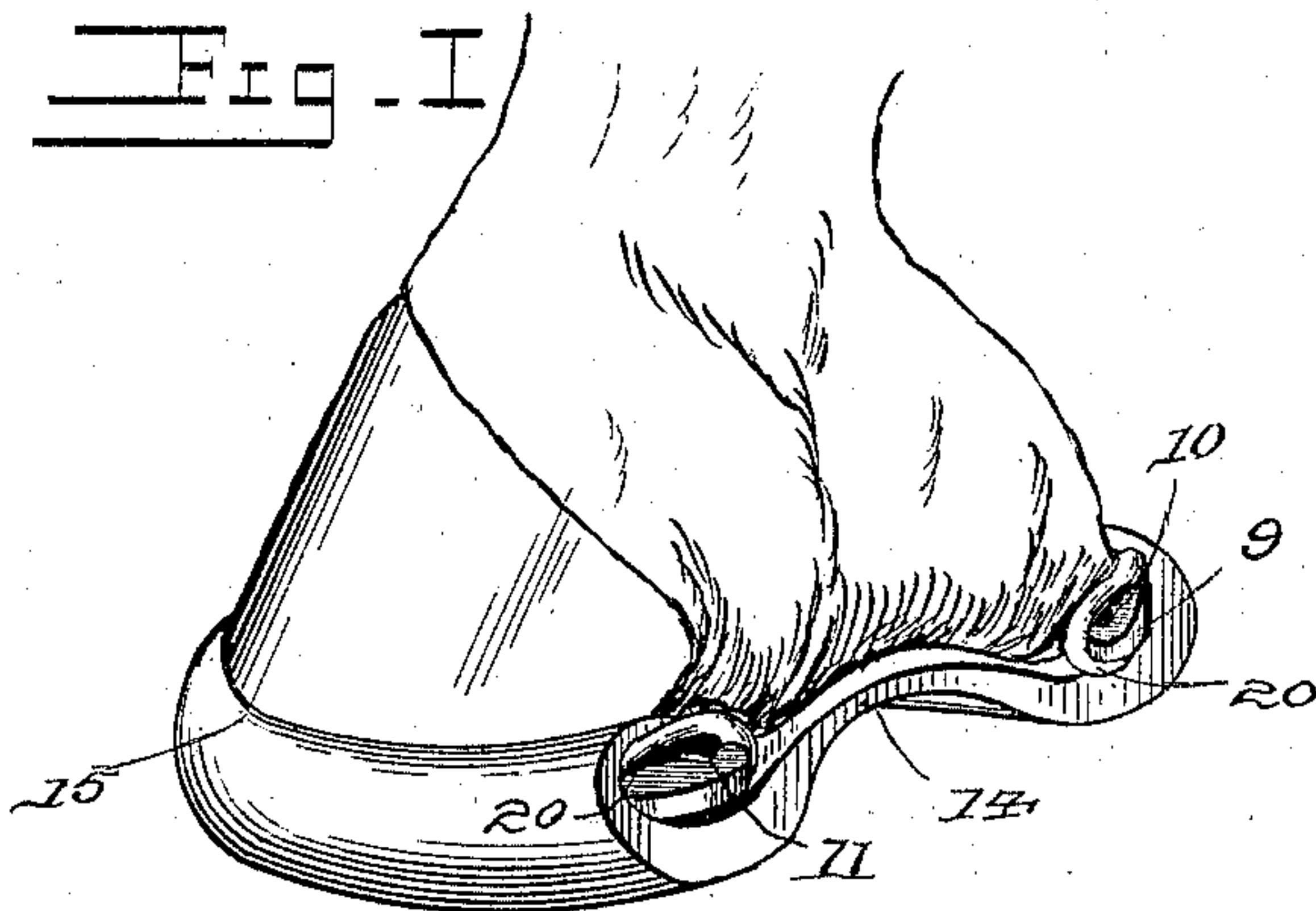


Fig. 7.



Witnesses
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UNITED STATES PATENT OFFICE.

GEORGE W. SMITH, OF JAMESTOWN, NEW YORK.

RUBBER HORSESHOE.

SPECIFICATION forming part of Letters Patent No. 639,105, dated December 12, 1899.

Application filed October 11, 1899. Serial No. 733,310. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. SMITH, a citizen of the United States, residing at Jamestown, in the county of Chautauqua and State of New York, have invented a new and useful Rubber Horseshoe, of which the following is a specification.

This invention relates to horseshoes in general, and more particularly to rubber horseshoes or shoes having rubber coverings; and it has for its object to provide, in combination with a metallic portion adapted for attachment to the hoof of a horse, a rubber casing or cover and means for holding it in place.

In the drawings forming a portion of this specification, and in which similar numerals of reference designate like and corresponding parts in the several views, Figure 1 is a perspective view showing the application of the shoe to a horse's foot. Fig. 2 is a top plan view showing the rubber casing removed from the metallic shoe. Fig. 3 is a longitudinal central section of Fig. 2. Fig. 4 is a rear view of Fig. 2. Fig. 5 is a bottom plan view of the rubber casing. Fig. 6 is a bottom plan view of the metallic shoe.

Referring now to the drawings, 9 represents a metallic shoe having the usual shape with the omission of calks and with the exception that in the inner edge thereof and adjacent the ends are formed notches 10 and 11. This shoe has the usual nail-openings 12 for the reception of tacks or nails, by means of which the shoe is fastened to the hoof of the horse. In practice a rubber covering is secured over this metallic shoe, and this covering consists of a base 13, which has the same outline as the shoe proper at its outer periphery and which covering has a web 14 connecting the sides thereof to protect the fleshy portion of the horse's foot and prevent gravel and other matter from becoming wedged in the hoof or shoe.

From the outer periphery of the base 13 is an upwardly and inwardly extending wall 15, which is adapted to conform to the slope of the horse's hoof and to fit snugly thereon, this wall terminating slightly within the ends of the base. At the inner periphery of the base portion 13 is also an upwardly-projecting wall 16, of a less height than the wall 15

and resulting in the formation of a recess 17, which receives and fits the shoe 9.

Longitudinally of the wall 15 and opening through the ends thereof is a passage 18, through which is passed a metallic strap 19, provided at its ends with hooks 20, which are turned inwardly, as shown in the drawings.

In the application of this device the shoe 9 is attached to the hoof in the usual manner, and the rubber covering or casing is adjusted thereto to receive the shoe in the recess 17 and to cause the wall 15 to lie upon the outer surface of the hoof. The parts are so proportioned that when in this position the hooks 20 may be engaged with the notches 10 and 11 of the shoe 9, and thus hold the casing in place. Those portions of the base 13 extending beyond the wall 15 receive the ends of the shoe which extend beyond the notches 10 and 11.

It will be understood that in practice the specific shape shown may be altered and that any desired materials and proportions may be used for the various parts without departing from the spirit of the invention. It will also be understood that the pad of the shoe may be replaced when worn.

Having thus described the invention, what is claimed is—

1. The combination with a shoe, of an elastic casing comprising a wall adapted to project inwardly and above the shoe, and a strap passed through the wall and adapted for engagement with the shoe.

2. The combination with a shoe, of a casing comprising a base having a recess to receive the shoe, an upwardly and inwardly directed wall upon the base, a passage through the wall, and a strap passed through the passage and outwardly of the ends thereof and adapted for engagement with the shoe.

3. The combination with a shoe, of a casing comprising a base having a recess to receive the shoe, an upwardly and inwardly directed wall upon the base, a passage extending throughout the length of the wall, and a strap passed through the passage and having terminal hooks adapted for engagement with the shoe.

4. The combination with a shoe having notches adjacent its ends, of a casing com-

prising a base having a recess to receive the shoe, an upwardly and inwardly directed wall upon the base, a passage extending throughout the length of the wall, and a strap
5 in the passage and having terminal hooks adapted to engage the notches of the shoe.

5. A casing for horseshoes, comprising a base, a recess in the base adapted to receive the shoe, an upwardly and inwardly directed
10 wall at the outer edge of the recess, a passage formed throughout the wall longitudi-

nally thereof, and a strap passed through the passage and having terminal hooks extending outwardly of the passage.

In testimony that I claim the foregoing as 15 my own I have hereto affixed my signature in the presence of two witnesses.

GEORGE W. SMITH.

Witnesses:

JAMES I. FOWLER,
JAMES L. WEEKS.