

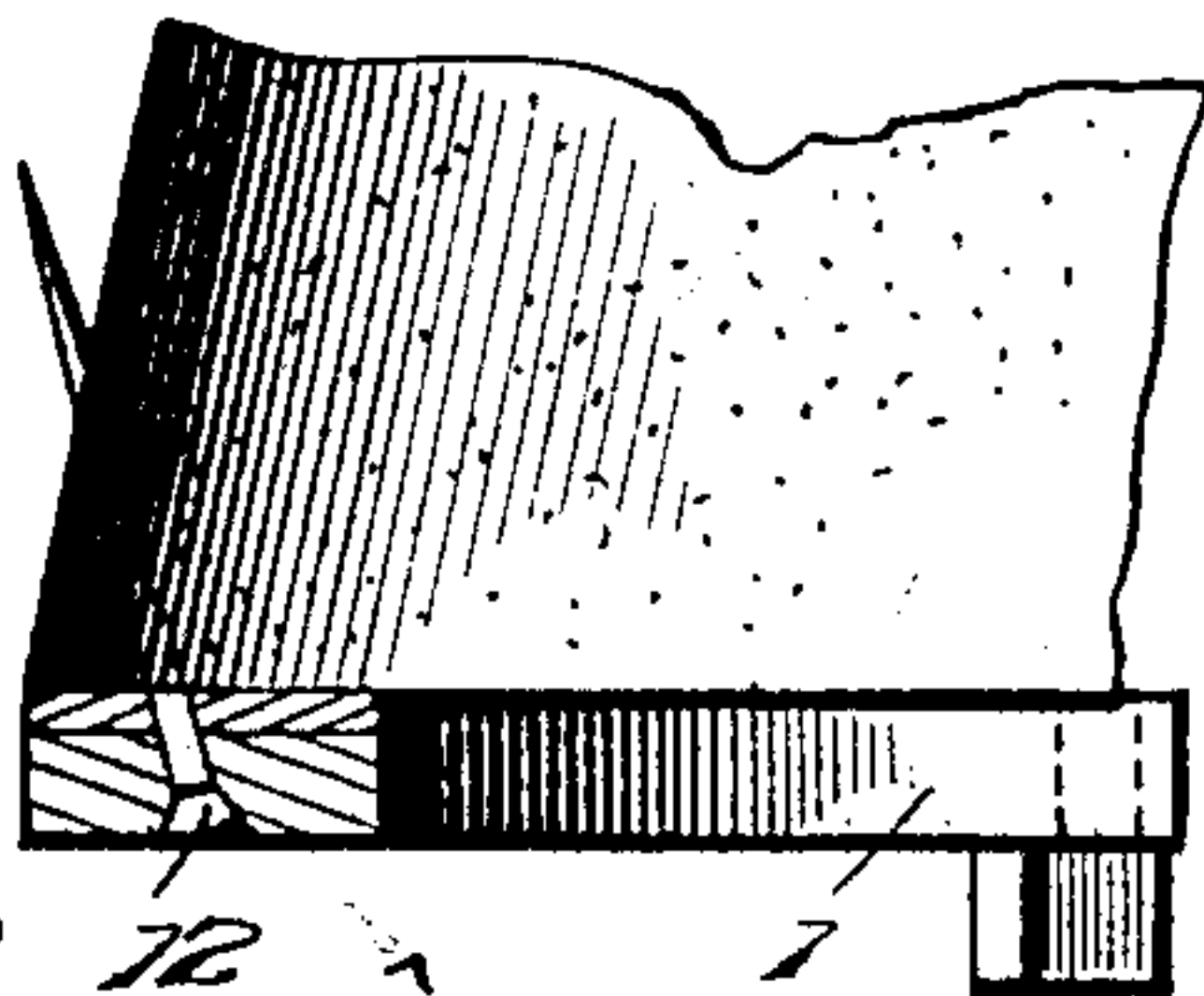
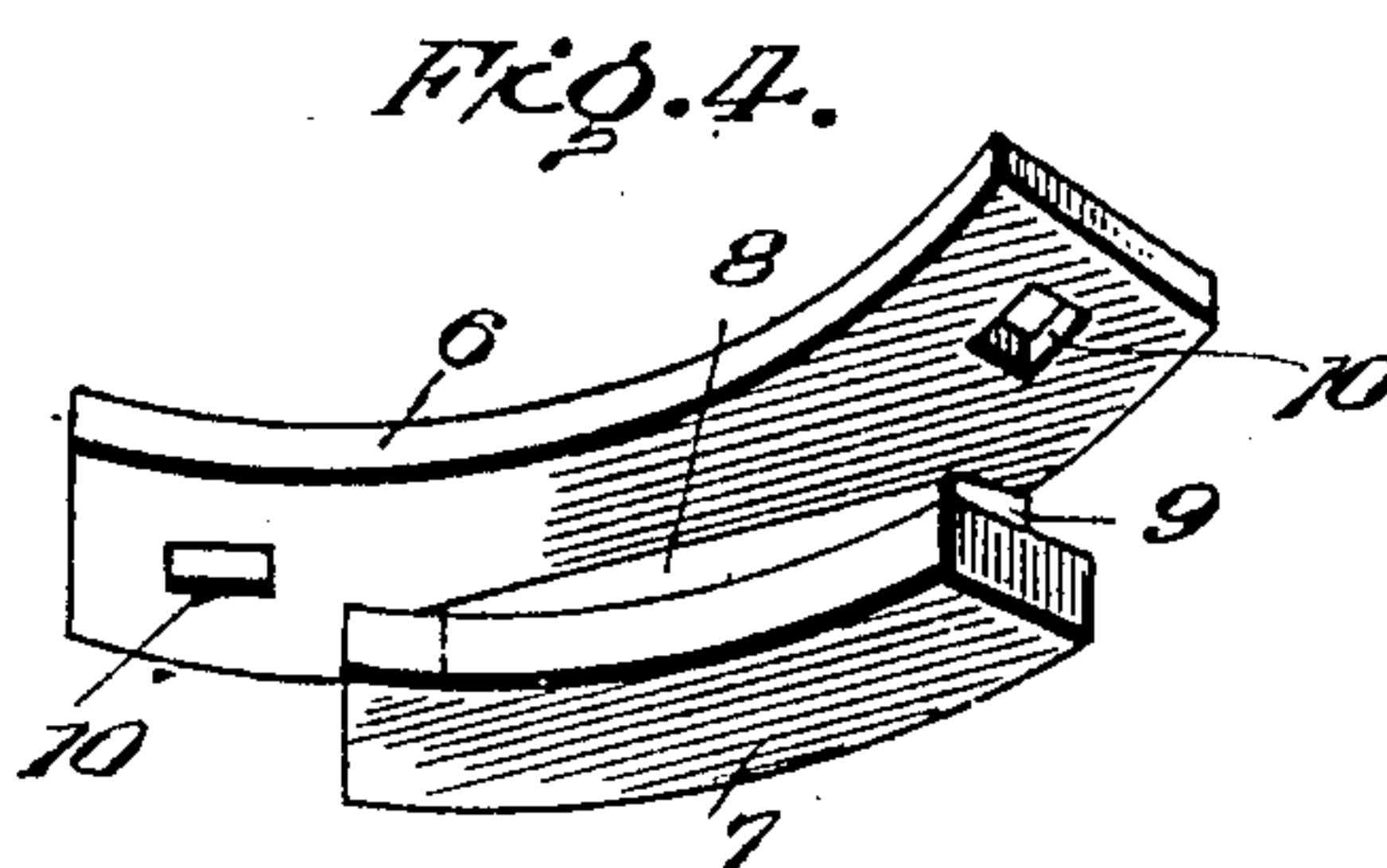
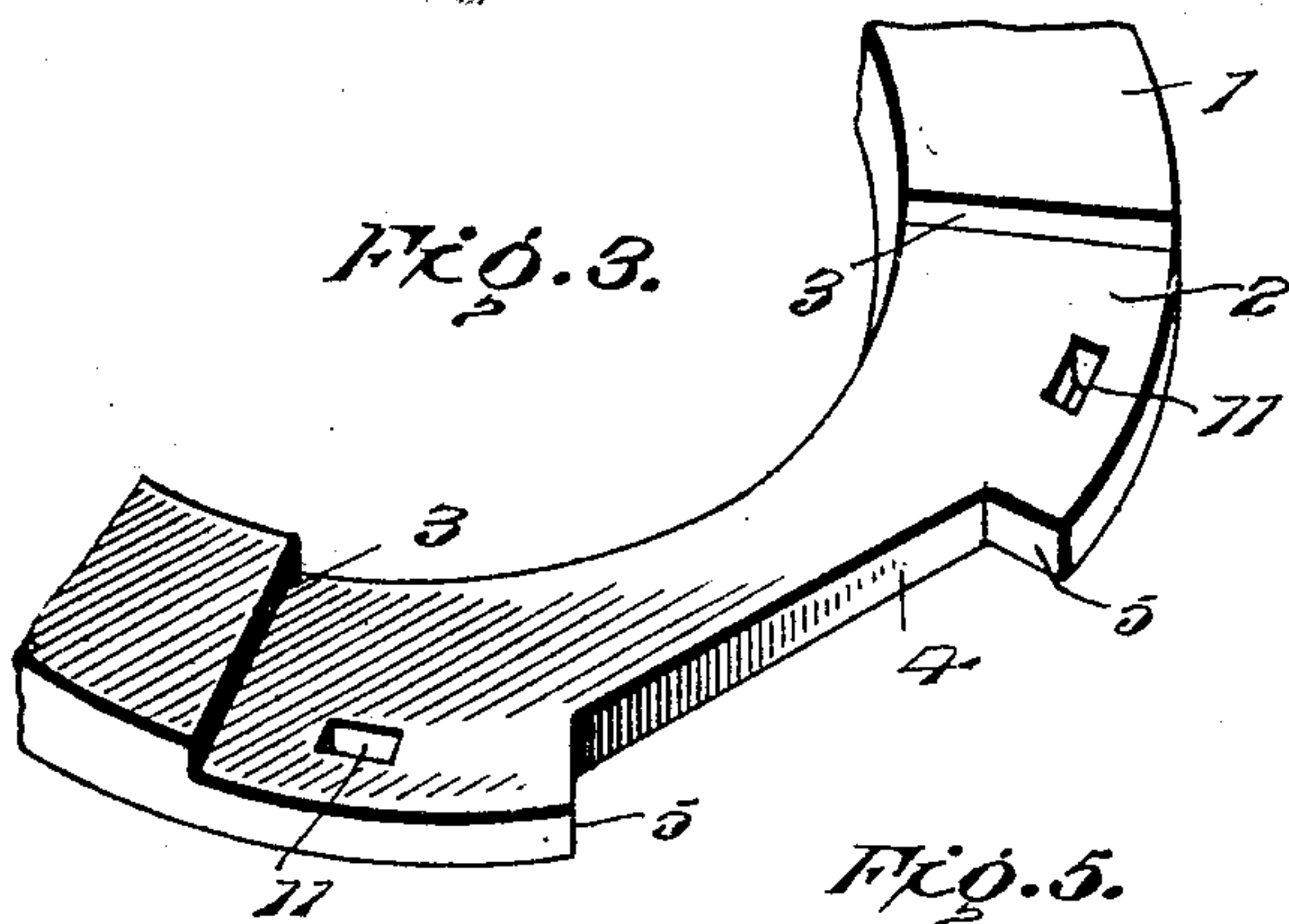
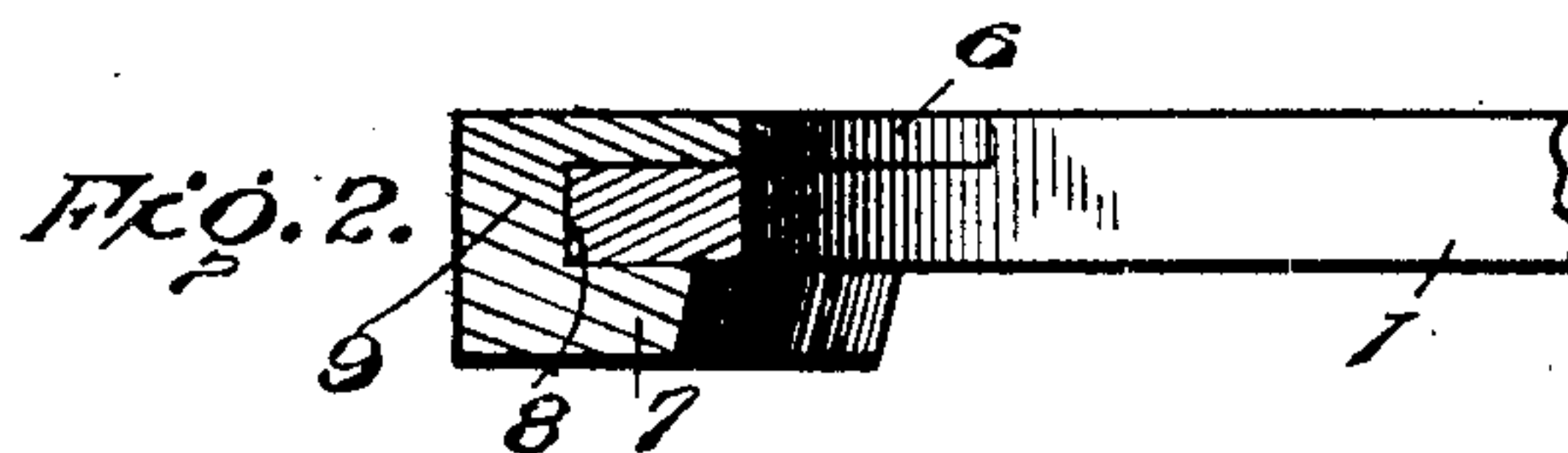
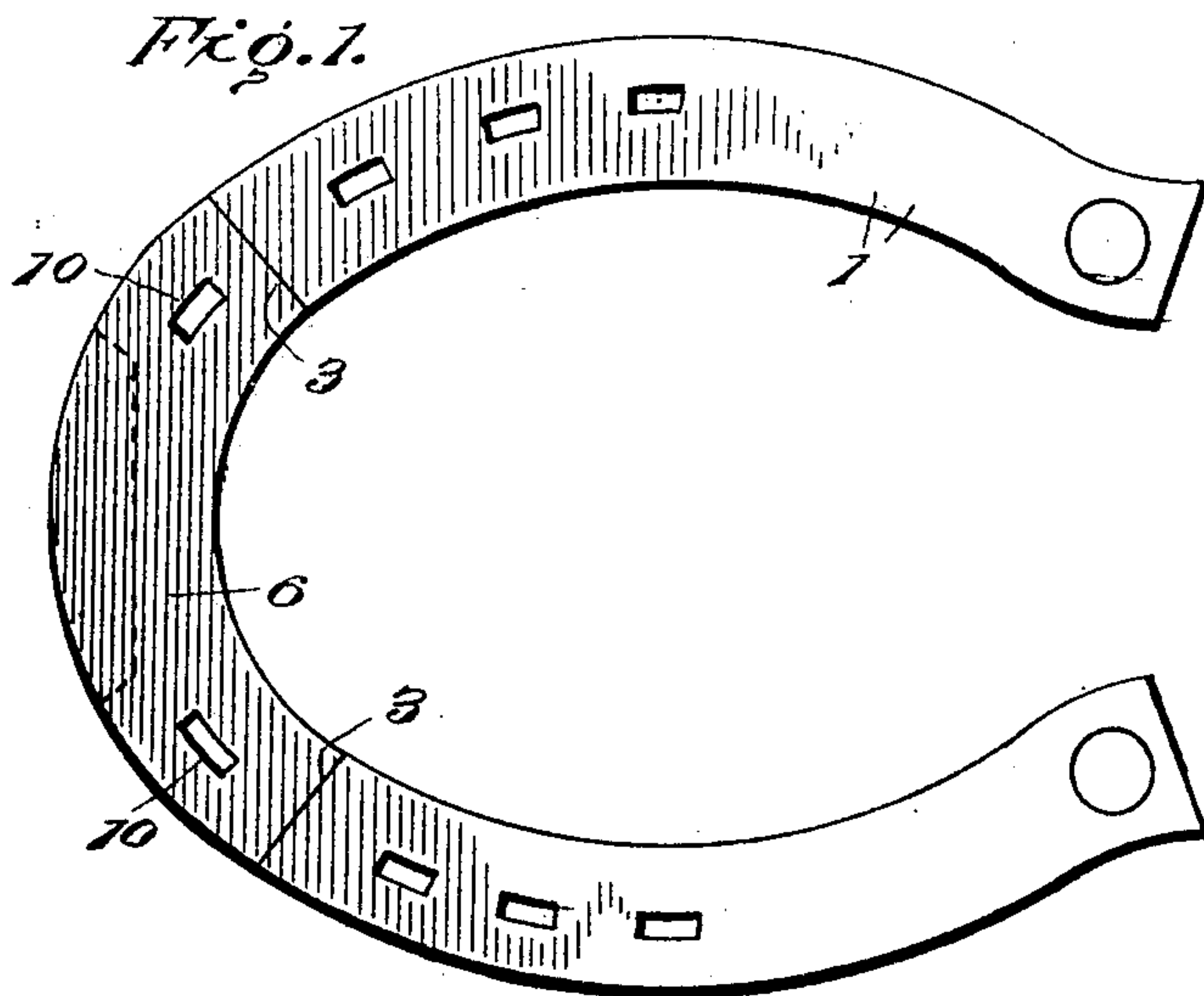
No. 869,590.

PATENTED OCT. 29, 1907.

J. M. McKNIGHT.

HORSESHOE CALK.

APPLICATION FILED OCT. 15, 1906.



Witnesses

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# UNITED STATES PATENT OFFICE.

JOSIAH MILTON McKNIGHT, OF RUTH, CALIFORNIA.

## HORSESHOE-CALK.

No. 869,590.

Specification of Letters Patent.

Patented Oct. 29, 1907.

Application filed October 15, 1906. Serial No. 339,109.

*To all whom it may concern:*

Be it known that I, JOSIAH MILTON McKNIGHT, a citizen of the United States, residing at Ruth, in the county of Trinity and State of California, have invented certain new and useful Improvements in Horseshoe-Calks, of which the following is a specification.

The present invention relates to farriery and more particularly to a novel form of horseshoe calk which is peculiarly designed so that it can be easily and quickly applied to the shoe and is held securely against displacement by means of the fastening members employed to attach the shoe to the hoof of the animal.

The object of the invention is to devise a toe clip which is extremely simple in its construction, and which can therefore be manufactured at a comparatively small cost.

For a full description of the invention and the merits thereof and also to acquire a knowledge of the details of construction and the means for effecting the result, reference is to be had to the following description and accompanying drawings, in which:

Figure 1 is a top plan view of a horseshoe provided with the improved toe clip. Fig. 2 is a transverse sectional view through the toe of the shoe. Fig. 3 is an enlarged perspective view of the toe of the shoe. Fig. 4 is a detail view of the toe clip. Fig. 5 is a sectional view showing the manner in which the nails operate to hold the clip in position.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

The numeral 1 designates a horseshoe which is of the conventional type and has the toe thereof provided upon its upper face with a cut away or recessed portion 2, the ends of which terminate in the transversely disposed walls 3. The extremity of the toe of the shoe is also formed with a notch 4 the ends of which preferably flare outwardly as indicated at 5. The clip which fits over the toe of the shoe comprises the elongated base plate 6 which is received by the recess 2, the ends of the base plate abutting against the ends of the walls of the said recess to lock the plate against longitudinal displacement. Projecting laterally from the central portion of the base plate 6 is the toe-calk 7, which is recessed adjacent the base plate as indicated at 8 so as to overlap the lower face of the shoe and form a neck portion 9 which fits accurately within the before mentioned notch 4 and conforms to the shape thereof.

It will be observed that the ends of the base plate 6 extend outwardly beyond the toe-calk 7 and are provided with nail-receiving openings 10 corresponding to the similar openings 11 in the body portion of the shoe.

With this construction it will be readily apparent that the fastening members or nails 12 which are employed to attach the shoe to the hoof of the animal also form a means for connecting the toe-calk to the shoe and securely hold the said calk against accidental displacement. At the same time it will be understood that by withdrawing those nails engaging the base plate 6 the toe-calk can be removed and replaced when necessary without the necessity of removing the body portion of the shoe.

Having thus described the invention, what is claimed as new is:

1. The combination of a horse-shoe in which the toe portion is notched and has one face thereof recessed, and a clip comprising a base plate fitting within the recessed portion of the toe, and a calk projecting laterally from the base plate and connected thereto by a neck portion received by the before mentioned notch.

2. The combination of a horse-shoe having the toe portion thereof notched and also recessed upon one face thereof, a clip comprising a base plate fitting within the recess and a calk projecting laterally from the base plate and connected thereto by means of a neck received by the before mentioned notch, and fastening members securing the shoe in position and also connecting the clip to the shoe.

3. The combination of a horseshoe in which the toe thereof is notched and formed upon one face with a recess, a clip comprising a base plate fitting within the recess and a calk overlapping the opposite face of the toe and connected to the base plate by a neck portion received by the before mentioned notch, and means for connecting the clip to the shoe.

4. The combination of a horseshoe in which the toe thereof is notched and provided upon one face with a recess, a clip comprising a base plate fitting within the said recess, and a calk extending over the opposite face of the toe and connected to the base plate by a neck portion received by the before mentioned notch, and fastening members extending through corresponding openings in the base plate and body of the shoe and serving the double function of connecting the clip to the shoe and of securing the shoe to the hoof of the animal.

5. The combination of a horseshoe in which the toe thereof is notched and provided upon one face with a recess, the opposite sides of the notch being flared outwardly and the recess terminating in transversely disposed walls, a clip comprising a base plate fitting within the recess, and a calk projecting laterally from the base plate and extending over the opposite face of the shoe, the said calk being recessed adjacent the base plate to form a neck portion corresponding in shape to the before mentioned notch and received thereby, and fastening members passing through corresponding openings in the base plate and body of the shoe.

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