

(No Model.)

H. H. TURNER.  
TOE WEIGHT.

No. 435,671.

Patented Sept. 2, 1890.

Fig. 1.

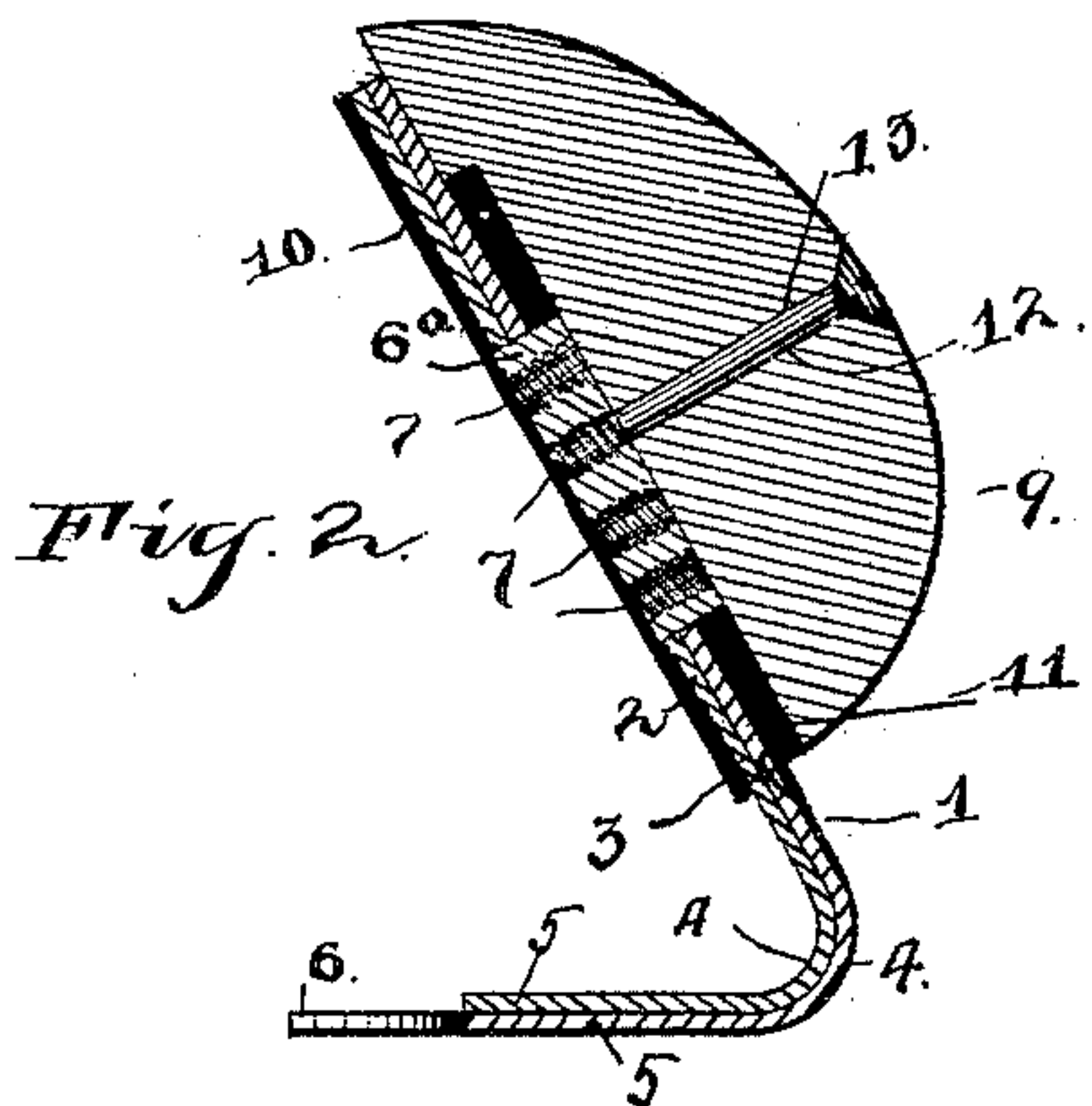
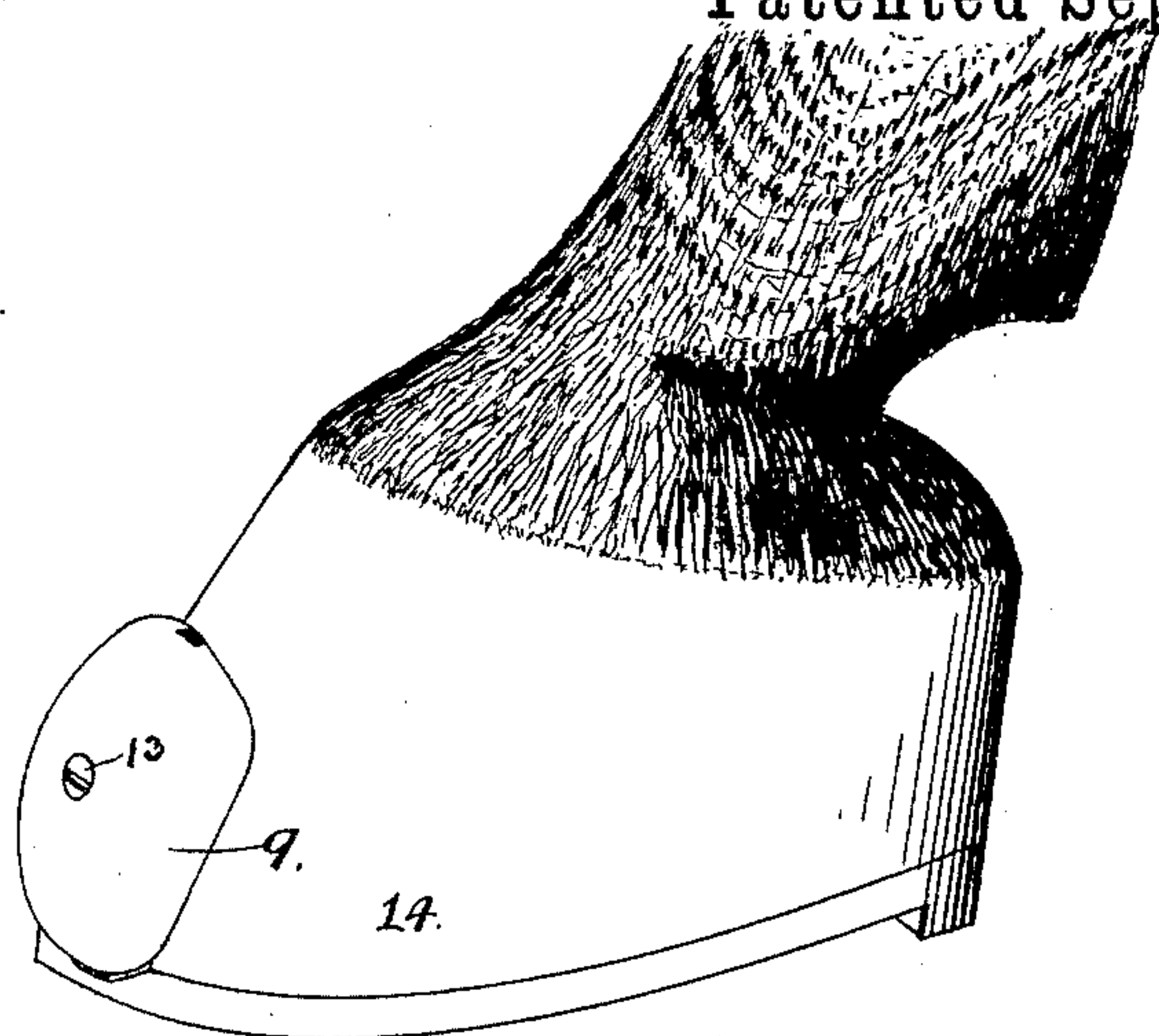


Fig. 3.

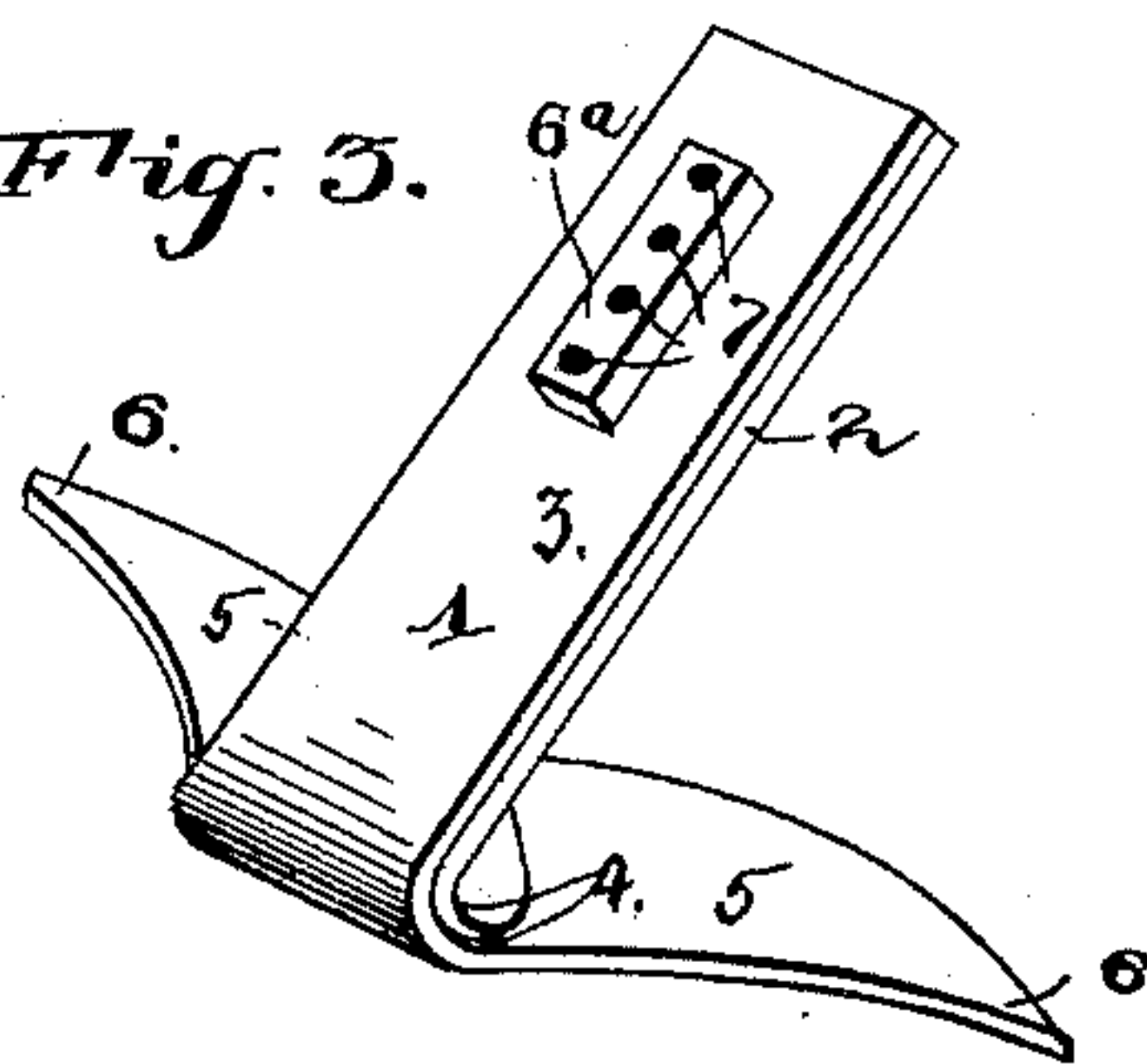


Fig. 4.

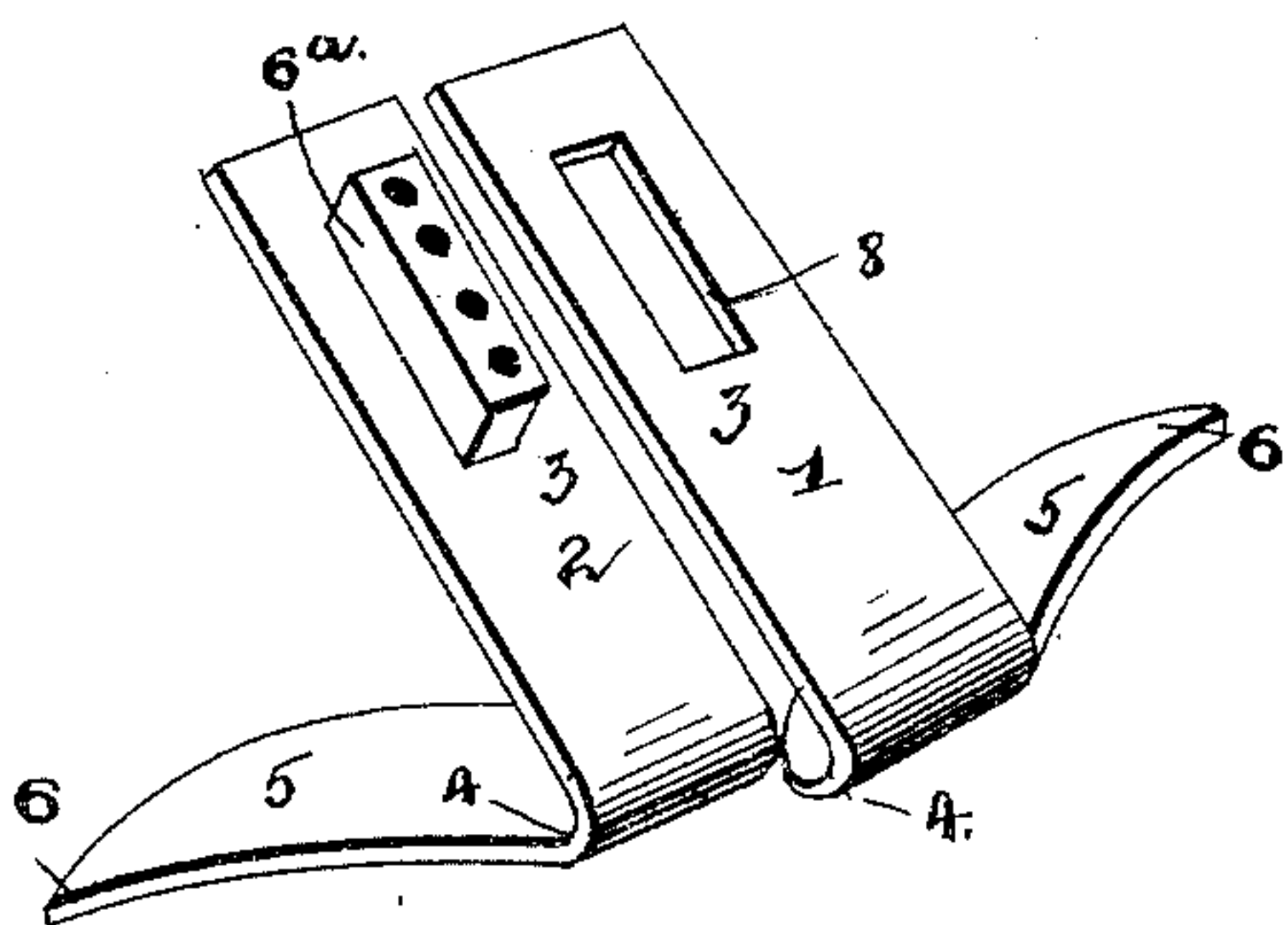
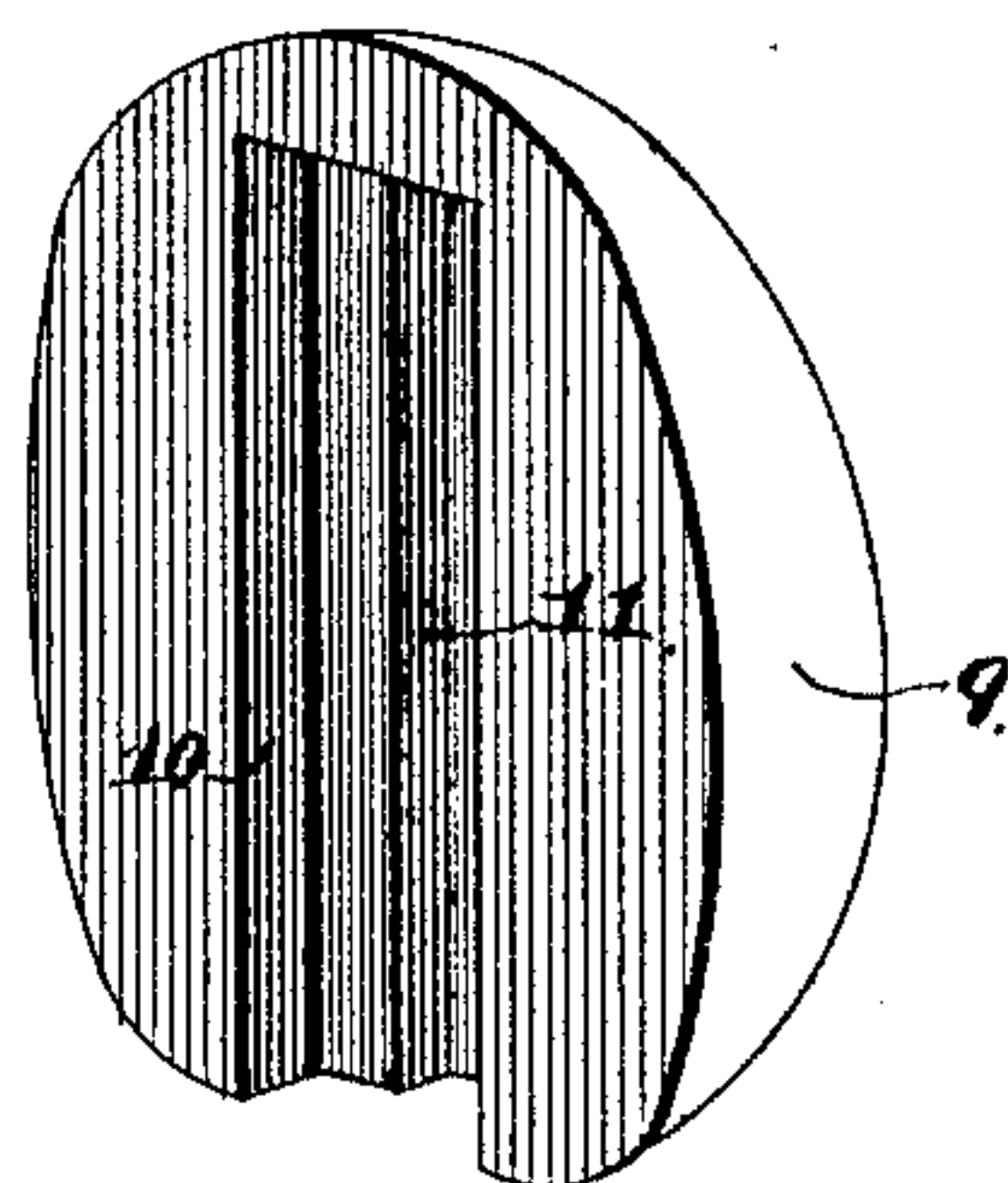


Fig. 5.



Witnesses:

H. Grant Seitz:

M. S. Duval.

Inventor

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By his Attorneys,

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# UNITED STATES PATENT OFFICE.

HENRY HARRISON TURNER, OF WHITEHALL, MICHIGAN.

## TOE-WEIGHT.

SPECIFICATION forming part of Letters Patent No. 435,671, dated September 2, 1890.

Application filed June 6, 1890. Serial No. 354,450. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY HARRISON TURNER, a citizen of the United States, residing at Whitehall, in the county of Muskegon and State of Michigan, have invented a new and useful Toe-Weight, of which the following is a specification.

This invention has relation to toe-weights for horses, used for regulating their gaits; and the objects in view are to provide a cheap and simple weight and its connection adapted to be applied to the hoof without extraneous securing devices, and to provide a cheap and simple means for adjusting the weight upon the connection or stem.

Other minor objects of the invention will hereinafter appear, and the novel features thereof will be particularly pointed out in the claims.

Referring to the drawings, Figure 1 is a perspective of a hoof, a toe-weight constructed in accordance with my invention being applied thereto. Fig. 2 is a vertical central section of the same. Fig. 3 is a detail in perspective of the stem or standard. Fig. 4 is a similar view of the two sections composing the same. Fig. 5 is a rear perspective in detail of the weight.

Like numerals of reference indicate like parts in all the figures of the drawings.

In practicing my invention I construct the stem for supporting the weight of two pieces of sheet-steel and in two sections 1 and 2. The sections 1 and 2 each comprise straight shank portions 3, which are bent at an acute angle, as at 4, to their bases or lower ends 5, which bases or lower ends are oppositely curved and reduced, as at 6, combining to form what might be termed a "fish-tail shaped" securing-plate when the sections are assembled or arranged adjacent to each other. The section 2 is provided with an opening, and into the same is set an oblong vertically-disposed block or lug 6<sup>a</sup>, which extends to the front and is provided with a series of threaded perforations 7. The opposite section 1, at a point corresponding to the block, is provided with an oblong recess 8, adapted to fit loosely over the block, said block being of such a thickness as to extend beyond the section 1 when the two sections are assembled.

The toe-weight 9 has its rear face provided with an oblong recess 10, extending from the lower to near the upper end of the weight and of a size to receive and snugly fit over the standard or stem when the sections are combined. In the bottom of the recess 10 there is formed a second recess 11, extending from the lower edge of the recess 10 to near the upper edge thereof, and in width agreeing with that of the block 7. 12 designates an opening formed transversely in the weight and extending into the inner recess 11. In the opening is mounted loosely a set-screw 13, the head of which is designed to be countersunk into the weight.

To apply the device the hoof 14 is either cut or burned away to permit of the insertion of the fish-tail-shaped securing-plate, after which the shoe is applied, by which the stem or standard is secured in position and against any accidental removal. The spreading or curving of the opposite edges of the securing-plate serves to prevent accidental displacement of the standard or stem, and this without the use of extraneous securing devices passing through the shoe and hoof. After the standard has been mounted in position as thus described the weight may be slipped over the same, the perforated box taking into the smaller recess and the standard in the larger recess. By bringing either one of the perforations 7 opposite the perforation 12 the screw may be turned, so as to take therein and bind the standard and weight snugly together. When desired, the weight may be quickly and easily removed and a heavier or lighter weight substituted.

Having described my invention, what I claim is—

1. The herein-described toe-weight, consisting of a standard formed of the two opposite sections placed flat against each other and their lower ends diverged in opposite directions and bent at an acute angle to the main part to form a securing-plate, a lug or box having a series of perforations projecting from the rear section through an opening formed in the front section, a weight having recesses for the reception of the standard and the box, and provided with an opening communicating with the inner recess, and a screw

passing through the opening and taking into one of the threaded perforations of the weight, substantially as specified.

- 5 2. The herein-described toe-weight, consisting of the opposite standard-sections arranged face to face, each having its lower end bent at an acute angle to its main portion and diverged, and the two combining to form a fish-tail-shaped plate, the inner section being provided with a perforated box and the  
10 outer section with an opening, through which the box loosely passes, the weight having the

large and small recesses and the transverse perforation communicating with the inner recess, and the set or binding screw passing 15 through the opening and engaging a perforation of the box, substantially as specified.

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

HENRY HARRISON TURNER.

Witnesses:

J. J. GEE,

MARTIN R. CARR.