

No. 811,353.

PATENTED JAN. 30, 1906.

M. H. YOUNG.
HORSESHOE.

APPLICATION FILED FEB. 23, 1905.

Fig. 2

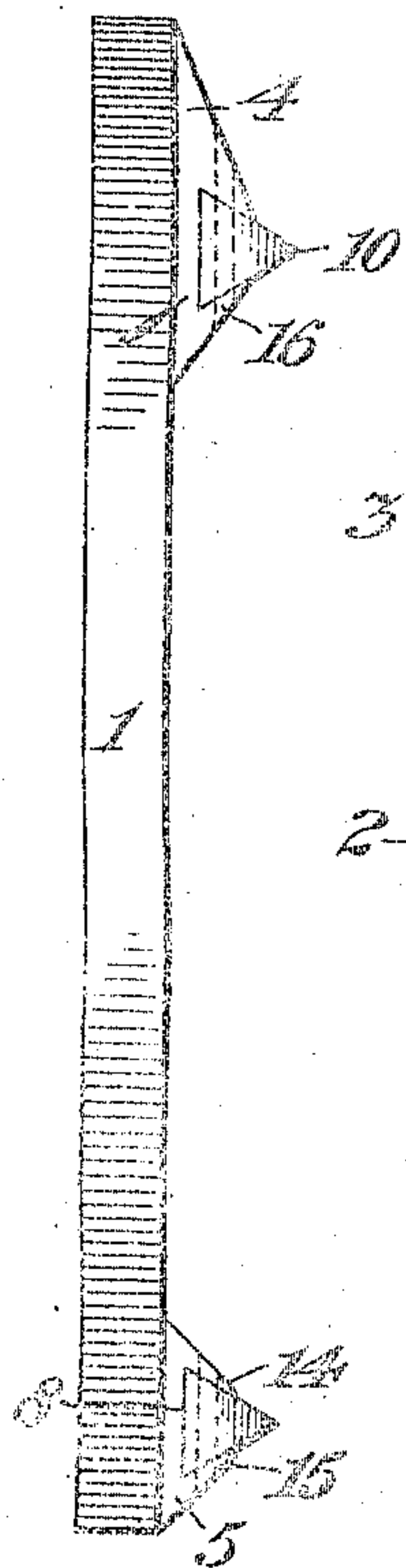


Fig. 1

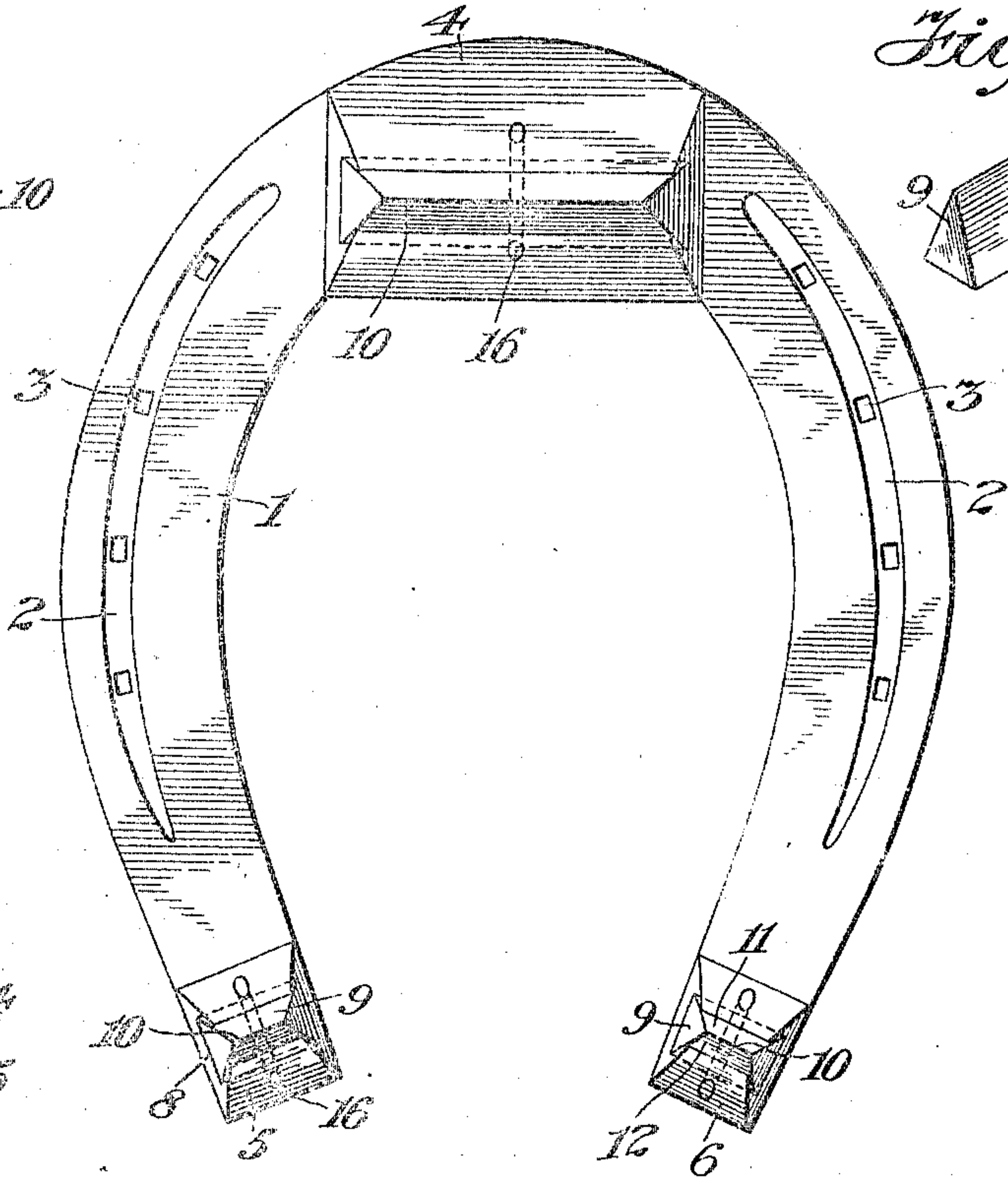


Fig. 3

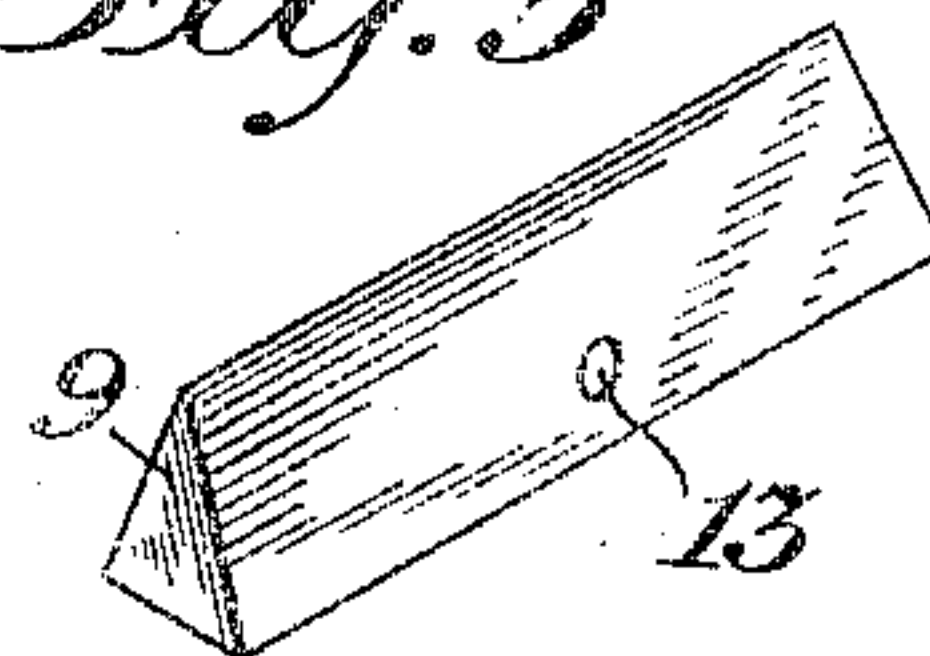


Fig. 4

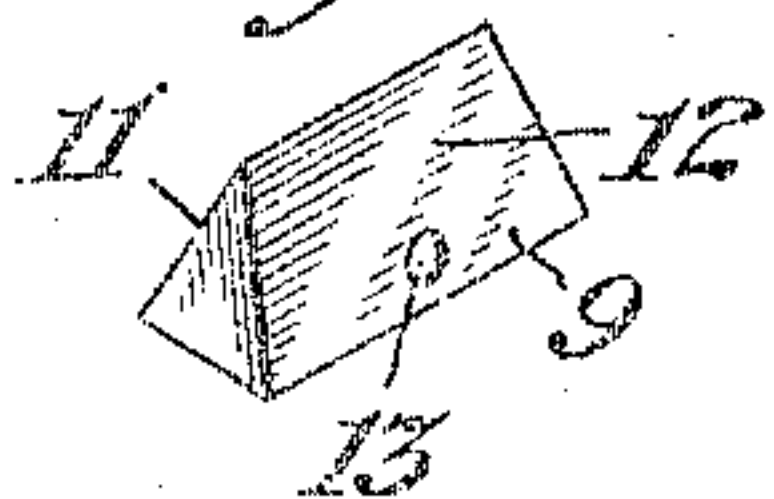
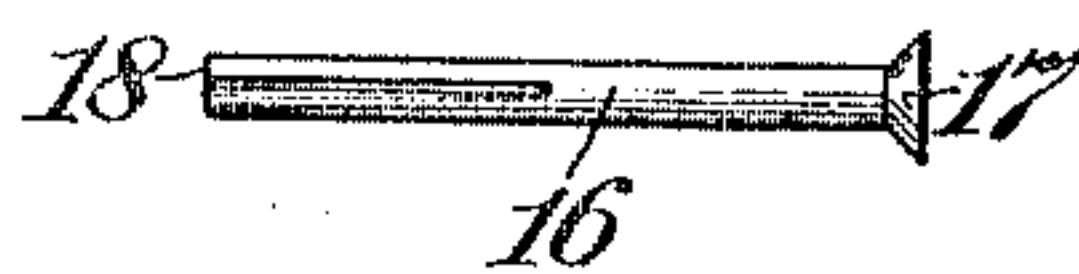


Fig. 5



Witnesses
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UNITED STATES PATENT OFFICE.

MILLARD H. YOUNG, OF CATSKILL, NEW YORK.

HORSESHOE.

No. 811,353.

Specification of Letters Patent.

Patented Jan. 30, 1906.

Application filed February 23, 1905. Serial No. 246,823.

To all whom it may concern:

Be it known that I, MILLARD H. YOUNG, a citizen of the United States, and a resident of Catskill, in the county of Greene and State of New York, have invented certain new and useful Improvements in Horseshoes, of which the following is a specification.

My invention relates to horseshoes.

It has for its object to provide a horseshoe having calks removably attached, so that if dulled by contact with the hard surfacing of the streets they may be readily removed and sharpened and then replaced, or if badly damaged new ones substituted therefor, thereby obviating the necessity of removing the shoe and attaching another, as would be required if the shoe and calks were of integral structure.

It has for a further object to provide a device of the character set forth embodying advantages in point of strength, simplicity, durability, and inexpensiveness.

In the drawings, Figure 1 is a plan view of the horseshoe; Fig. 2, a side view; Fig. 3, a detail perspective view of the front calk; Fig. 4, a detail perspective view of one of the rear calks, and Fig. 5 a view in elevation of one of the pins for securing the calks to the shoe.

Corresponding parts in all of the figures illustrating my invention are designated by the same reference characters.

Referring to the drawings, 1 designates the horseshoe, which, as usual, is provided on each side near the edge with elongated slots 2 and holes 3, extending through the shoe and into said slots, through which the nails are inserted into the hoof of a horse to attach the shoe.

The novel features of the shoe consist of the integral downwardly-projecting portion 4 at the front of the shoe and the integral downwardly-projecting portions 5 and 6 on the rear ends of the shoe, the front portion having a transversely - extending dovetail groove 7 and each of the projections 5 and 6 having a transversely - extending dovetail

groove 8. In each of these grooves fits a metal calk 9 of the shape of an equilateral triangle, so that there will be no shoulders and that the vertex 10 of its sides 11 and 12 will come in the center of the calk. The calks are each provided with a hole 13, registering with holes 14 and 15 in the projections. To removably secure the calk in place, cotter-pins 16 are inserted inwardly through these registering holes and their ends 17 and 18 turned over.

It will be understood that to remove the calks it is only necessary to press the ends of the cotter-pins together, when they can be withdrawn and the calks slid out.

I do not wish to be understood as limiting myself to the precise details and arrangements of parts shown and described, but reserve the right to all modifications within the scope of my invention.

Having now described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The combination with a horseshoe provided with integral downwardly - extending dovetail projections having dovetail grooves open at both ends and of the same width throughout their length and registering holes, the exterior side and end faces of said projections slanting inwardly and being straight, calks of the shape of an equilateral triangle, each having a hole registering with the holes in the projection in which it is supported, the side and end faces of said calks slanting inwardly and the end faces of the projections and calks being flush, and pins passing through the holes in the projections and calks, thereby securing said calks removably in place, substantially as described.

Signed at Catskill, in the county of Greene and State of New York, this 4th day of February, A. D. 1905.

MILLARD H. YOUNG.

Witnesses:

JOHN CONNOLY,
ABRAM J. POST.