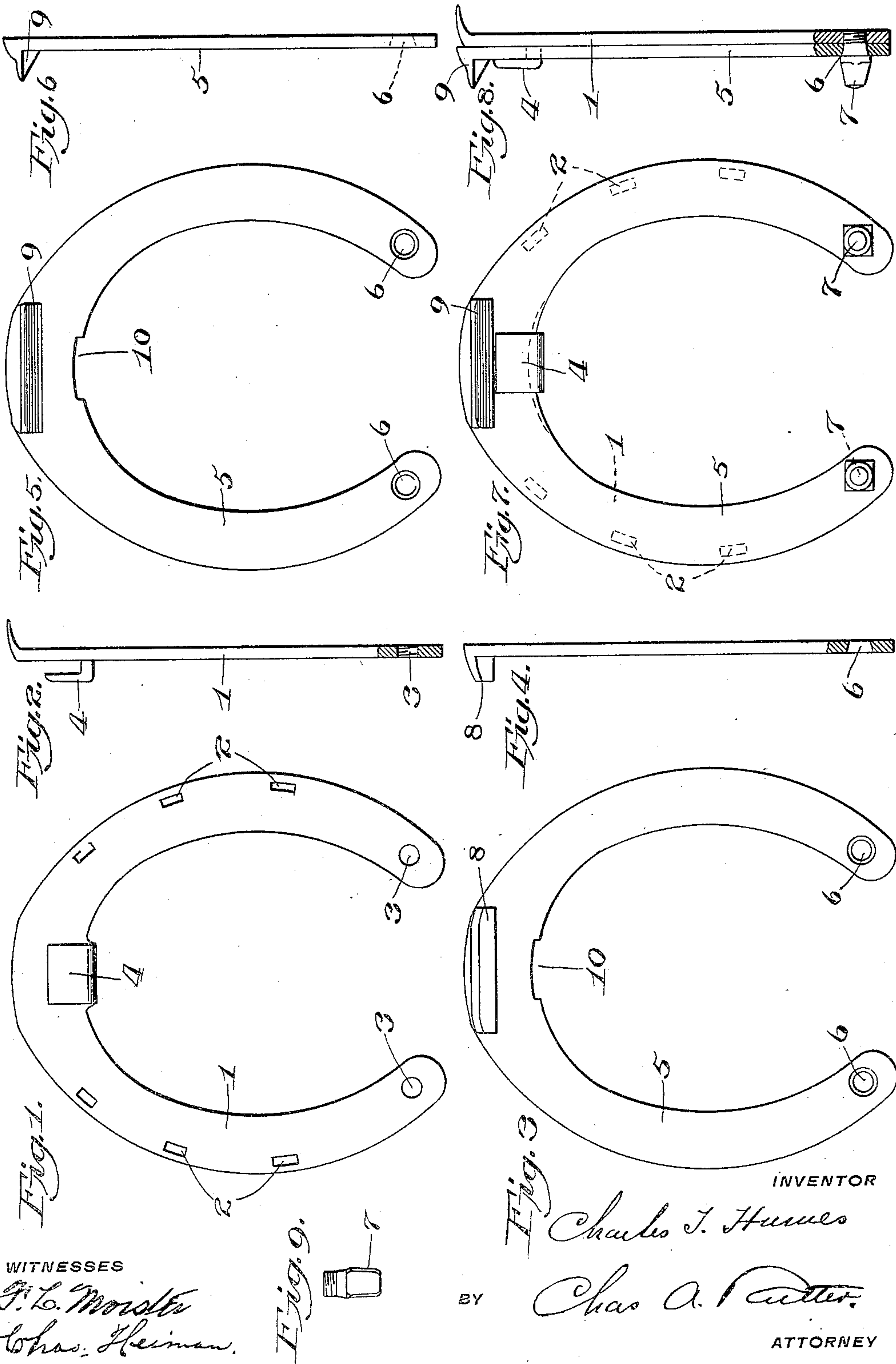


C. T. HUMES.
HORSESHOE.
APPLICATION FILED MAR. 10, 1909.

931,067.

Patented Aug. 17, 1909.



UNITED STATES PATENT OFFICE.

CHARLES T. HUMES, OF BRANDYWINE HUNDRED, DELAWARE.

HORSESHOE.

No. 931,067.

Specification of Letters Patent.

Patented Aug. 17, 1909.

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To all whom it may concern:

Be it known that I, CHARLES T. HUMES, a citizen of the United States, and a resident of Brandywine Hundred, Newcastle county, Delaware, have invented certain new and useful Improvements in Horseshoes, of which the following is a specification.

My invention relates to improvements in horseshoes and more particularly to improvements in that class of horseshoes known as two-part shoes in which one part is adapted to be nailed to the hoof and the other part removably carried by the first part; the object of my invention being to simplify the construction and to furnish a shoe the removable part of which may from time to time be repaired by having a new toe calk welded upon it.

In the accompanying drawings forming part of this specification and in which similar numerals of reference indicate similar parts throughout the several views:—Figure 1, is a bottom plan of the part of the shoe which is nailed to the hoof; Fig. 2, a side elevation, partly in section, of Fig. 1; Fig. 3, a bottom plan of the removable part of the shoe furnished with a dull toe calk. Fig. 4, a side elevation, partly in section, of Fig. 3; Fig. 5, a bottom plan of the removable part of the shoe furnished with a sharp toe calk; Fig. 6, a side elevation of Fig. 5; Fig. 7, a bottom plan showing the removable part of the shoe superposed upon the fixed part; Fig. 8, a side elevation, partly in section, of Fig. 7; Fig. 9, a side elevation of a dull calk adapted to be screwed into the heel of the shoe.

For convenience I will call that part of the shoe which is nailed to the hoof the permanent shoe and the other part the removable shoe.

The permanent shoe 1, Figs. 1, 2, 7 and 8, is furnished with holes 2 for the nails which secure it to the hoof—at its heel are tapped holes 3 and at the rear part of its toe is a downwardly and forwardly projecting hook or clamp 4. With the exception of the hook or clamp 4 the part 1 is perfectly flat upon its under side.

The removable part 5 of the shoe, Figs. 3,

4, 5, 6, 7 and 8, is perfectly flat upon its top side which is adapted to rest against the bottom side of the permanent shoe. At its heel the removable shoe is bored, at 6 for the passage of screw calks 7 which are adapted to be screwed into the holes 3 in the permanent shoe 1 to secure together the heels of the two shoes. The screw calks, which may be of either the sharp or blunt forms, form also the heel calks. Upon the toe of the removable shoe is welded the blunt toe calk 8, Figs. 3 and 4, or the sharp toe calk 9, Figs. 5, 6, 7 and 8. 10, Figs. 3 and 5, is a notch formed at the rear side of the toe of the removable shoe in which the clamp 4 rests and which is adapted to form with the clamp a lock to prevent any sidewise movement of the frone part of the removable shoe while in service.

The permanent shoe having been nailed to the horse's hoof the removable shoe is put in place by sliding it backward until the clamp or hook 4 is in engagement with the notch 10. The calks 7 are now passed through the holes 6 in the removable shoe and are screwed into the holes 3 in the permanent shoe, an operation taking but a few moments and resulting in a thoroughly secure and satisfactory shoe.

The change from a blunt to a sharp calked shoe may be made without the services of a smith, the only tool necessary being a wrench to operate the screw calks 7.

Having thus described my invention I claim as new and desire to secure by Letters Patent:—

1. A horseshoe comprising, in combination, a permanent member carrying at the rear of its forward end a downwardly and forwardly extending hook and at its heel being furnished with tapped holes, a removable member, perfectly flat upon its top, having welded upon its under forward end a toe calk, and being furnished at its heel with holes to register with the holes in the heel of the first member, and screw calks for securing said heels together.

2. A horseshoe comprising, in combination, a permanent member carrying at the rear of its forward end a downwardly and

forwardly extending hook and at its heel
being furnished with tapped holes, a remov-
able member perfectly flat upon its top,
notched at the rear of its forward end to
5 receive said clamp carried by the permanent
member, having welded upon its under for-
ward end a toe calk, and being furnished at

its heel with holes to register with the holes
in the heel of the first member, and screw
calks for securing said heels together.

CHARLES T. HUMES.

Witnesses:

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