

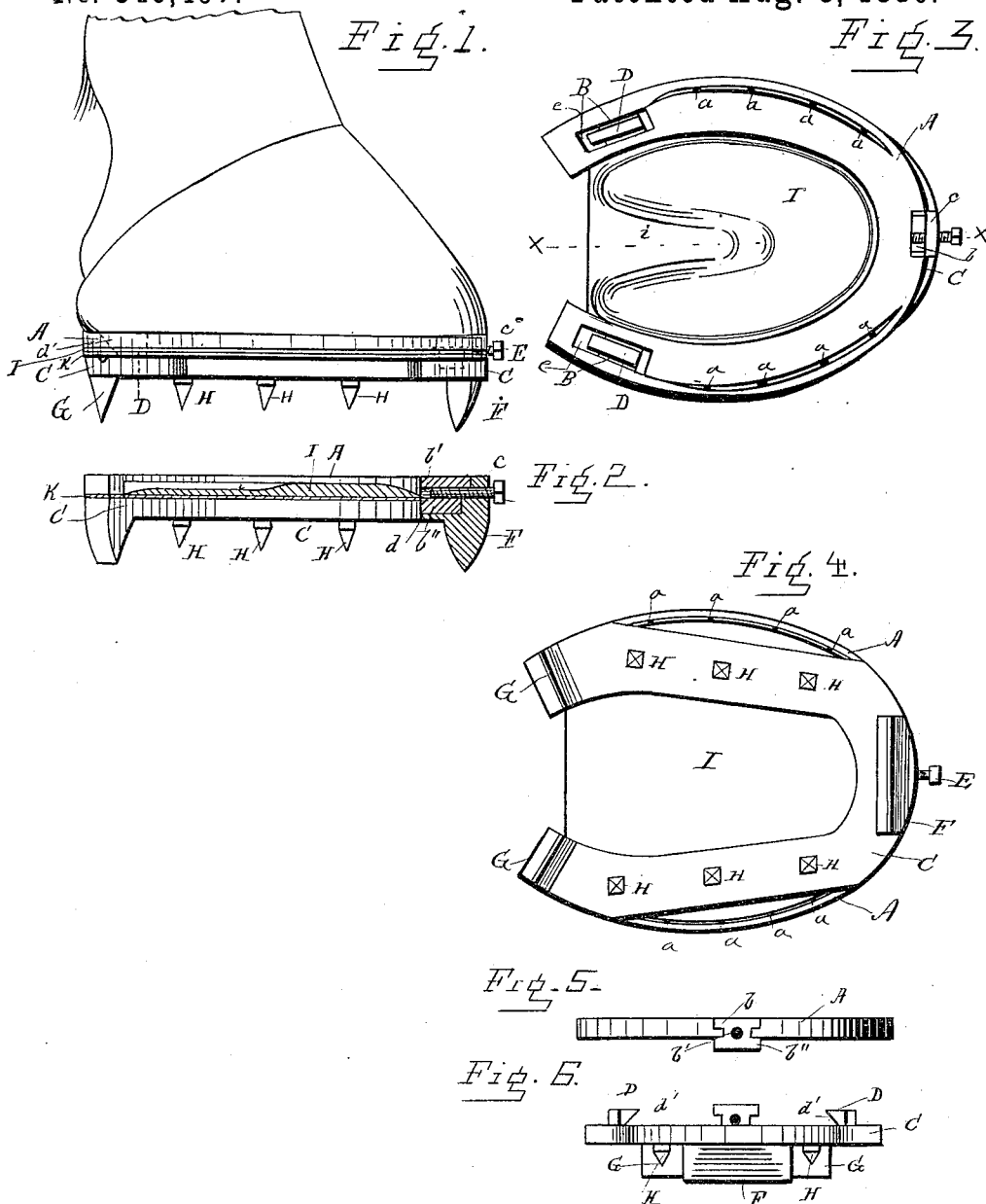
(No Model.)

D. J. PRYOR.

HORSESHOE.

No. 346,497.

Patented Aug. 3, 1886.



WITNESSES

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DAVID J. PRYOR, OF BOSTON, MASSACHUSETTS.

HORSESHOE.

SPECIFICATION forming part of Letters Patent No. 346,497, dated August 3, 1886.

Application filed March 22, 1886. Serial No. 196,081. (No model.)

To all whom it may concern:

Be it known that I, DAVID J. PRYOR, a citizen of the United States, residing at Boston, in the county of Suffolk, State of Massachusetts, have invented certain new and useful Improvements in Horseshoes, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to improvements in horseshoes, and has for its objects to provide a shoe which will wear longer than those in ordinary use, shall be more easily applied, shall prevent the formation of snow-balls in the frog of the animal's foot, and also relieve the hoof from the usual jar when the animal is driven over hard ground. These objects are attained by the devices illustrated in the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a side elevation of a shoe attached to a horse's hoof. Fig. 2 is a sectional view taken on the line *xx* of Fig. 3. Fig. 3 is a plan. Fig. 4 is a view taken from the underside of the shoe. Figs. 6, 7 are detached front views of plates A and C.

The letter A is the shoe proper, and has a series of nail-holes, *a*, to receive the nails, whereby it is secured to the horse's foot, and is also provided with slots B at the heel, and openings *b b'* and lug *b''* at the toe. The opening *b* is intended to engage with a lug, *c*, forming part of the lower plate, C, and the opening *b'* is intended to receive the bolt E, which passes through an opening in the lug *c*. The bolt E may be screw-threaded or be provided with any other suitable means to maintain it in place when inserted in the above described openings. The lug *b''* is intended to enter a recess, *d*, in the upper side of the lower plate, C, and serves the purpose of giving additional security in holding the shoe proper and the lower plate, C, together, and at the same time strengthens this portion of the shoe proper and permits a larger bolt, E, to be used. The lower plate, C, is provided with lugs D, which have in the rear an inclined backwardly-projecting surface, *d'*, adapted to engage with an inclined surface, *e*, in the slots B, which these lugs D are intended to enter, and which draw the upper

plate, A, and lower plate, C, forcibly toward each other when the bolt E is screwed up to its seat, and completes the fastening of these plates to each other. On its under side the plate C is provided with a toe-calk, F, and heel-calks, G, and between the calks F and G, on both sides of the plate C, are a series of small calks, H, of pointed form, which are intended to engage with the ground when the under surface of the calks F and G have worn down sufficiently to permit it. A metal plate, I, having a recess, *i*, on its upper surface to permit the frog of the animal's foot to enter, and having its outer contour beveled down to a sharp edge, is placed between the upper plate, A, and lower plate, C. A washer, K, of leather, gum, or other elastic material is intended to be placed between the plate I and lower plate, C, and is to serve the purpose of a cushion, and thereby prevent the jar to the animal's hoofs when traveling over hard ground, which would otherwise occur.

It will be observed that the shoe proper, (or upper plate,) A, extends on each side beyond the outside of the lower plate, C, so that the nail-holes *a* are exposed to view. The object of this construction is to permit the shoe A to be nailed to the hoof without removing the lower plate, C.

This shoe is to be used for horses or mules, with or without calks.

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

1. A horseshoe consisting of the shoe proper, A, provided with slots B, openings *b b'*, and lug *b''*, in combination with plate C, having lugs *c* and D on its upper side and on its lower side, the toe-calk E, heel-calks G, and series of small calks H, and bolt E, as described, and for the purposes set forth.

2. In a horseshoe, the upper shoe proper, A, the plate I, having recess *i*, the washer K, and the lower plate, C, having toe-calk F, heel-calks G, and series of small calks H, secured to each other in the positions herein shown and described, by means of the slots, openings, lugs, and bolt E, herein described, and for the purposes set forth.

3. The combination, with the horseshoe proper, the lower plate and the intermediate plate having a recess on its upper surface, of the washer interposed between the intermediate plate and the lower plate, and adapted to hold the intermediate plate between the shoe proper and lower plate.

In testimony whereof I affix my signature in presence of two witnesses.

DAVID J. PRYOR.

Witnesses:

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