C. A. J. CAMPBELL.

Detachable Shoe for Horses.

No. 217,582. Patented July 15, 1879.

Fig. 1.

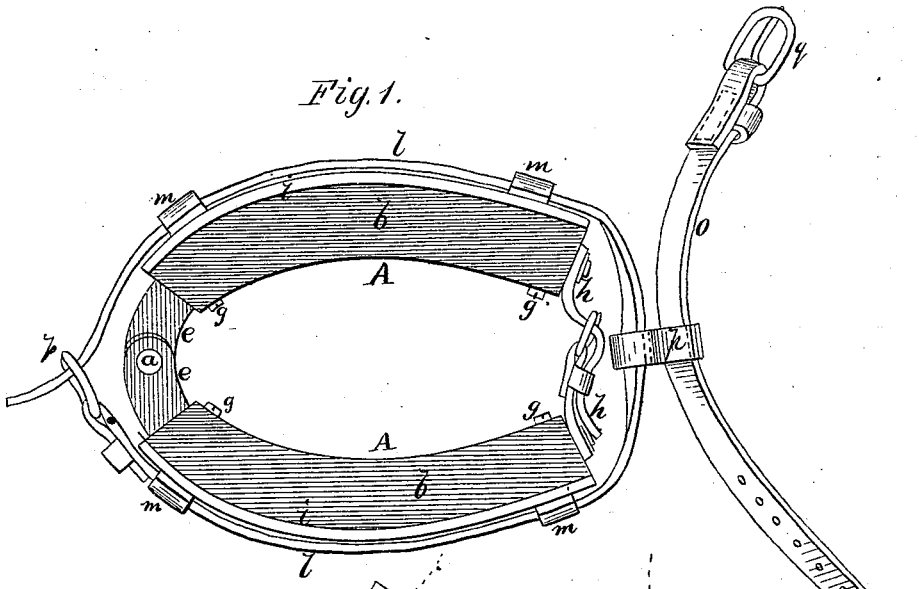

Fig. 2.

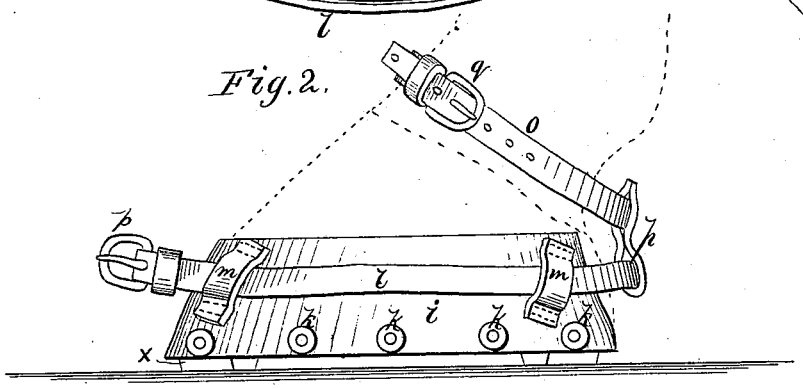

Fig. 3.

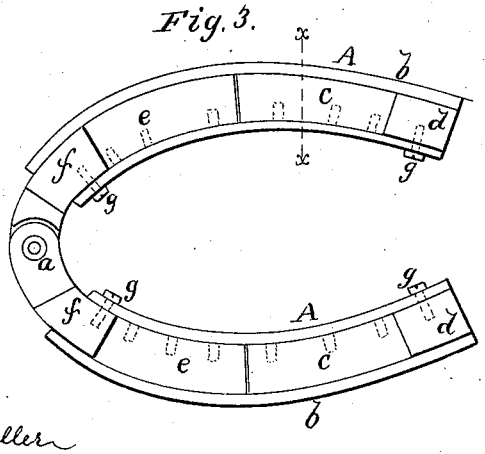

Fig. 4.

WITNESSES:

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CHARLES A. J. CAMPBELL, OF BROOKLYN, E. D., NEW YORK.

IMPROVEMENT IN DETACHABLE SHOES FOR HORSES.

Specification forming part of Letters Patent No. **217,582**, dated July 15, 1879; application filed November 8, 1878.

To all whom it may concern:

Be it known that I, CHARLES A. J. CAMPBELL, of Brooklyn, E. D., in the county of Kings and State of New York, have invented a new and Improved Detachable Shoe for Horses, of which the following is a specification.

The object of my invention is to furnish a horseshoe that may be attached as a temporary substitute in case a horse casts a shoe while on the road; also, to construct such shift-shoes so that they may be changed in width to suit any-sized foot.

The invention consists in a horseshoe made in two parts, hinged together, and provided with movable calks, by which construction the shoe may be made more or less narrow and the calks changed in position to adapt the shoe to any-sized foot; also, in a certain arrangement of straps and bands, whereby the shoe can be securely fastened to the horse's foot and held in position.

In the accompanying drawings, Figure 1 is a plan view at the upper side of my improved shoe. Fig. 2 is a side elevation of the same. Fig. 3 is an inverted plan of the shoe; and Fig. 4 is a cross-section at the line *x x*.

Similar letters of reference indicate corresponding parts.

The shoe is made in two parts, A A, that are hinged together by a pin, *a*, at the toe, so that the shoe may be more or less separated. Each part A is in three pieces, a main and upper part, *b*, that is formed on its under side with a dovetail mortise lengthwise of the shoe, in which mortise is the strip *c*, that carries the heel-calk *d*, and the strip *e*, that carries the toe-calk *f*. The strips *e* are hinged together, as mentioned, and the pieces *b*, *c*, and *e* at each side are held in position by screw-pins *g*, that pass through the inner side of pieces *b* and bear upon the strips *c e*. By loosening the screws *g* the relative position of the parts may be changed, and each part A of the shoe lengthened and fitted to the horse.

h h are small straps, connected to strips *c c* at the heels, and provided with a buckle, whereby they may be connected together to prevent the shoe spreading after it is adjusted. These straps *h* are attached to the shoe by pins that are formed with the strips *c*, and pass through the straps *h h* and are riveted upon washers.

i i are bands of leather, attached at each side of the shoe to the part *b* by pins *k*, formed with the part *b*. These pins *k* pass through holes in bands *i*, and are riveted down upon washers to hold the bands securely. The bands *i* project above the shoe, and they are, by preference, about two inches wide.

l is a strap passing around the bands *i*, and held in place thereon by loops *m* in such position that it will encircle the hoof. The strap *l* is provided with a buckle, *n*, at its end in front of the shoe, so that it may be buckled tightly, and, in connection with the bands *i*, hold the shoe in position upon the hoof.

o is a strap connected to strap *l* by a loop, *p*, at the heel of the shoe, and provided at its end with a buckle, *g*, so that it may be buckled around the lower pastern, as shown by dotted lines in Fig. 2, and retain the heels of the shoe in proper position.

I prefer that the metal parts of the shoe be made of malleable iron.

The shoe above described is intended to be carried in the vehicle, and in case the horse loses a shoe the shift-shoe may be readily applied and remain until the horse can be shod in the usual manner. It may be varied in size to suit any horse, and by that construction but one size need be kept on sale.

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

1. A horseshoe made in two parts, hinged together, each part being made of the pieces *b*, *c*, and *e*, combined and arranged substantially as and for the purposes set forth.

2. The described means for attaching a horseshoe (pivoted at the toe) to the hoof of the animal, that consist of the heel-straps *h*, the side bands *i*, the pin *k*, the band-strap *l*, and the fastening-strap *o*, the latter being connected with strap *l* by the loops *p*, as shown and described.

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Witnesses:

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