

A. F. KELLY.
OVERSHOE.

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1,106,568.

Patented Aug. 11, 1914.

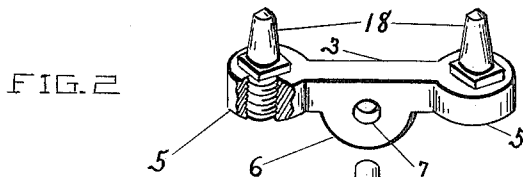
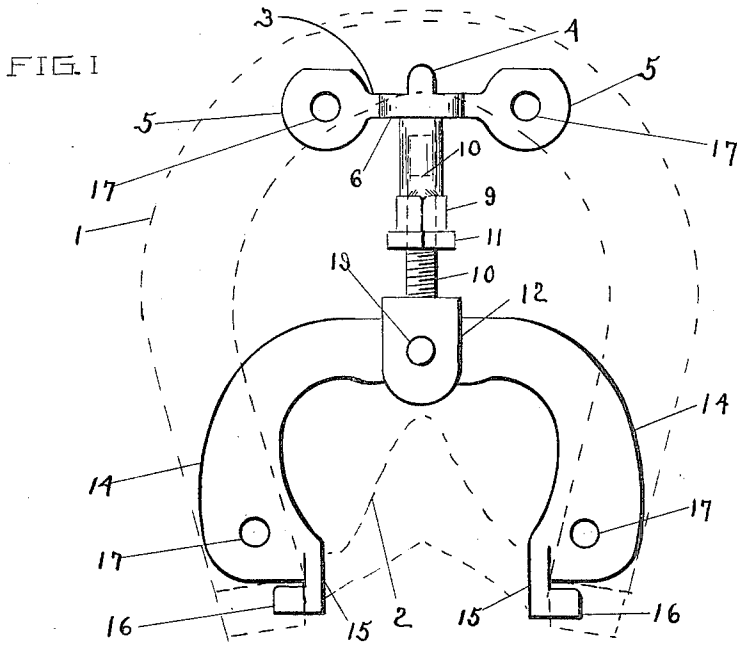
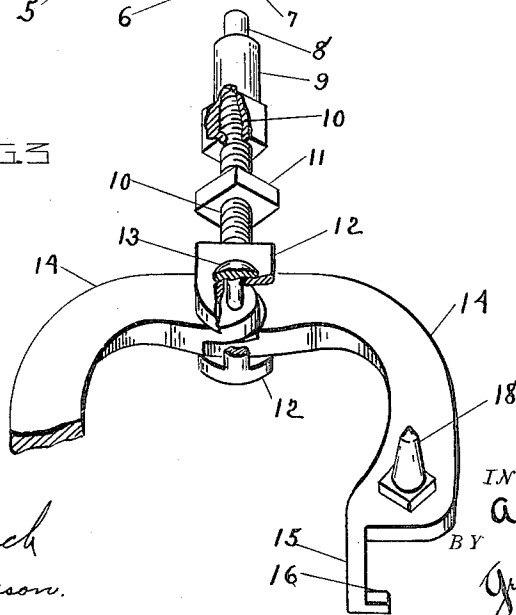


FIG. 3



WITNESSES:

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OVERSHOE.

1,106,568.

Specification of Letters Patent.

Patented Aug. 11, 1914.

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To all whom it may concern:

Be it known that I, ALBERT F. KELLY, a citizen of the United States, residing at Toledo, Lucas county, Ohio, have invented a new and useful Overshoe, of which the following is a specification.

This invention relates to a device for readily providing means for making a horse or other draft animal sharp shod or sure footed.

This invention has utility when embodied in an attachable calk carrier for draft animal shoes, having special application in emergencies for it is sure in its action as well as humanitarian as to the draft animal and contributes to expedition and economy in work.

Referring to the drawings: Figure 1 is a top plan view of an embodiment of the device for horseshoes, showing the horseshoe and frog of the horse's foot in dotted lines; Fig. 2 is a perspective view of the toe piece, with parts broken away; and Fig. 3 is a similar fragmentary view of the heel pieces and locking means therefor, with parts broken away.

The horse shoe 1 is shown in dotted lines in its relative position to the frog 2 of the horse's foot. The full line showing of the calk carrier is from the side which abuts the horseshoe. The toe piece 3 has the short lug 4 protruding over the horse shoe 1 on the side thereof toward the hoof, and this short lug 4 is of such small proportion as not to wedge the hoof away from the shoe or in any wise interfere with the shoe mounting. The toe piece 3 has two shoe abutting mounts 5 with the intermediate enlargement 6 serving to abut the inside of the shoe adjacent the lug 4, while the flattened portions of the mounts 5 may abut the toe calk of the shoe 1. This enlargement 6 of the toe piece 3, has opening 7 therein into which loosely enters the projection 8 from the hollow nut 9 threaded upon the stem 10 and locked in adjusted position relatively thereto by the lock nut 11. This threaded stem 10 has enlarged head 12 through the cheeks of which head 12, extends the rivet or pin 13 engaging the pair of similar arms or heel pieces 14 which clear the frog 2, as does the head 12. These heel pieces 14 provide shoe abutting mounts similar to the mounts 5 of the toe piece 3 and likewise on their after sides may abut the heel calks of the shoe 1. At the extremities of these heel pieces 14

are projections 15 carrying lugs 16 to set in or engage over the top of the shoe adjacent the rear end thereof, in a manner similar to the engagement of the lug 4 over the shoe top adjacent the hoof. Like the lug 4, these lugs 16 do not in any wise interfere with the shoe mounting on the hoof. The projections 15 abut the inner side of the shoe 2.

The device is bilaterally symmetrical, and accordingly, due to the loose fit of the toe piece 3 and the pivotal connection 13 of the heel pieces 14, to the thrust locking means 8, 9, 10, 11, 12, there is not only a range of adjustment as to sizes of shoes, but also as to various shapes of rights and lefts. The device may thus be readily applied in an emergency to shoes and provide a reliable and simple carrier, for in the openings 17 in the heel and toe pieces, attachable calks 18 may be inserted and replaced as found convenient. These sharp calks 18 do not have to be worn down by continuous wear when once inserted, for the calk carrier on the passing of the emergency may be conveniently removed from the hoof of the draft animal by releasing the nut 9 after running free thereof the lock nut 11.

In use the calk carrier being entirely within the shoe area, leaves no protruding portions for interference or wounding of the animal. The mounts 5, and 14, are so distributed as to provide sure and well spaced supports for the hoof to be placed in the usual natural position. The convenience of operation, by setting up the nut 9 after placing the lugs 4 and 16 in position and the projection 8 in opening 7, is sure and simple. This setting up of the nut 9 forces the enlargement 6 and projections 15 into self-adjusting positions against the inner side of the shoe for positive holding until released, with no interference with the frog of the horse's foot. This simple calk carrier or overshoe accordingly has a wide range of use upon slippery or uncertain pavements or roads, or where it is desirable to obtain a good foothold.

What is claimed and it is desired to secure by Letters Patent is:

1. A calk carrier embodying a self-adjusting toe member, a pair of frog-clearing heel members movable relatively to each other and each independent of the toe member, a pivot pin directly connecting said heel members, and adjustable thrusting means en-

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gaging the pivot pin and loosely engaging
rockably to abut the toe member to force
the members away from each other with the
toe member automatically rocking to firm
5 engagement and thereby lock the calk car-
rier in position whereby there is provided a
maximum of clearance between the members
to preclude clogging of material in the car-
rier in use.

10 2. A calk carrier embodying a toe piece,
a pair of heel pieces movable relatively to
each other and each independent of the toe
piece, said heel pieces each extending to-
ward said toe piece to provide frog clear-
15 ance for the carrier, and adjustable thrust-
ing locking means for forcing the pieces
away from each other to lock the pieces in
assembled position, said means extending

from the toe piece and including a first
threaded member for thrusting heelward, 20
and a relatively adjustable second threaded
member coacting with the first threaded
member and rockably seating against the
toe piece to permit alining thrust there-
from in the relative rocking of the toe piece 25
for binding engagement whereby there is
provided a maximum of clearance between
the pieces to preclude clogging of material
in the carrier in use.

In testimony whereof I affix my signature 30
in the presence of two witnesses.

ALBERT F. KELLY.

Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."