

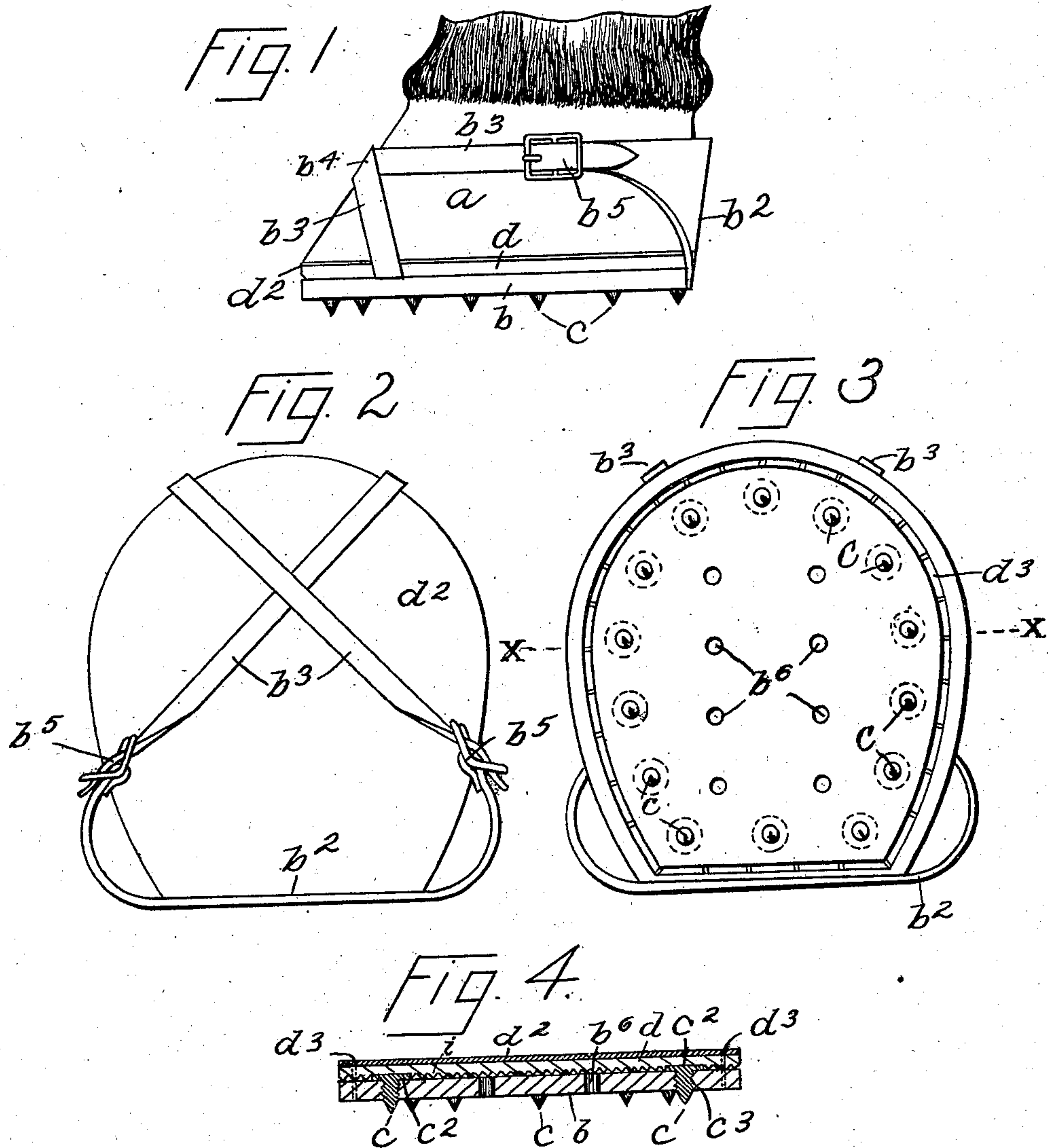
No. 702,794.

Patented June 17, 1902.

T. F. HAYES.  
ANTISLIPPING PAD FOR HORSES' FEET.

(Application filed Dec. 3, 1901.)

(No Model.)



WITNESSES  
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# UNITED STATES PATENT OFFICE.

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## ANTISLIPPING PAD FOR HORSES' FEET.

SPECIFICATION forming part of Letters Patent No. 702,794, dated June 17, 1902.

Application filed December 3, 1901. Serial No. 84,517. (No model.)

*To all whom it may concern:*

Be it known that I, THOMAS F. HAYES, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Antislipping Pads for Horses' Feet, of which the following is a full and complete specification, such as will enable those skilled in the art to which it appertains to make and use the same.

The object of this invention is to provide an improved antislipping pad for horses' feet which is adapted to be connected with the feet whenever desired and to be removed therefrom when not required, a further object being to provide a pad of the class specified which may be worn either with or without an ordinary shoe; and with these and other objects in view the invention consists in a device or devices of the class specified constructed as hereinafter described and claimed.

In the drawings forming part of this specification, in which the separate parts of my improvement are designated by the same reference characters in each of the views, Figure 1 is a side view of a horse's foot, showing my improved antislipping pad in use; Fig. 2, a plan view of the pad detached; Fig. 3, a bottom plan view thereof, and Fig. 4 a cross-section thereof.

In the drawings forming part of this specification, reference being made to Fig. 1, I have shown my improved antislipping pad connected with a horse's foot  $a$ , and said pad consists of a thick bottom sheet  $b$  of leather or other suitable flexible material, said sheet being of the same general form as the bottom of the foot and being also provided at the heel portion thereof with a transverse strip  $b^2$ , which is secured thereto by stitching or in any desired manner and which is composed of any flexible material, preferably leather, and at the opposite sides of the toe portion are secured two similar strips  $b^3$ , which in the operation of connecting the pad with the foot of a horse are crossed over the front portion of said hoof, as shown at  $b^4$ , and buckled to the end portions of the transverse strip  $b^2$ , as shown at  $b^5$ . I also employ a supplemental sheet or pad  $d$ , which is of the same shape as the sheet  $b$  and which is placed thereover and which is also preferably composed of rubber

or rubber and canvas or other elastic material and is preferably provided with a top or cover  $d^2$  of canvas, and this supplemental pad or sheet  $d$  is stitched at  $d^3$ , and the bottom portion  $b$  of the pad is also provided with a plurality of perforations  $b^6$ , and when the central portion of the pad is depressed the holes or openings  $b^6$  operate to produce a suction which serves to prevent the horse from slipping. The bottom portion or sheet  $b$  of the pad is also provided with a plurality of calks  $c$ , which are passed therethrough and secured therein in any desired manner, and said calks  $c$  are also preferably provided with head members  $c^2$ , and the body portions thereof are preferably provided with annular beads or threads  $c^3$ , by which they are held in the bottom portion or sheet  $b$  of the pad.

This pad is particularly designed for use in wet or slippery weather and may be applied to the foot or feet of a horse with or without an ordinary shoe whenever desired and may be conveniently and quickly removed therefrom whenever necessary, and said pad or any number thereof may be carried in a carriage or other vehicle and placed on the foot of a horse whenever occasion demands the same. The lower side of the filler or cushioning material is ribbed, as shown at  $i$ , to form a plurality of air-channels for the outflow and the inflow of air as the filler is compressed and relaxed.

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

1. An antislipping pad for horses' feet, the same comprising a base of sole-leather or like stout material having openings therein, head-ed pins studding the base, a filler of rubber or like cushioning material overlying the base and secured thereto near its outer edge leaving the intermediate portion free to move according as the air is forced to enter or leave by way of the said openings in the base, a protective piece of canvas or like textile placed over the filler, and means for securing the pad to the horse's foot, substantially as specified.

2. An antislipping pad for horses' feet, the same comprising a base of sole-leather or like stout material having openings therein, head-ed pins studding the base, a filler of rubber or like cushioning material overlying the

base and secured thereto and having the side  
next to the base ribbed, a protective piece of  
canvas or like textile placed over the filler, a  
flap projected from the rear of the base to  
5 extend upward in the rear of the horse's foot,  
and crossed straps having connection with  
the front of the base and the rear corners of  
the said flap, substantially as set forth.

In testimony that I claim the foregoing as  
my invention I have signed my name, in pres- 10  
ence of the subscribing witnesses, this 30th  
day of November, 1901.

THOMAS F. HAYES.

Witnesses:

T. A. STEWART,  
F. F. TELLER.