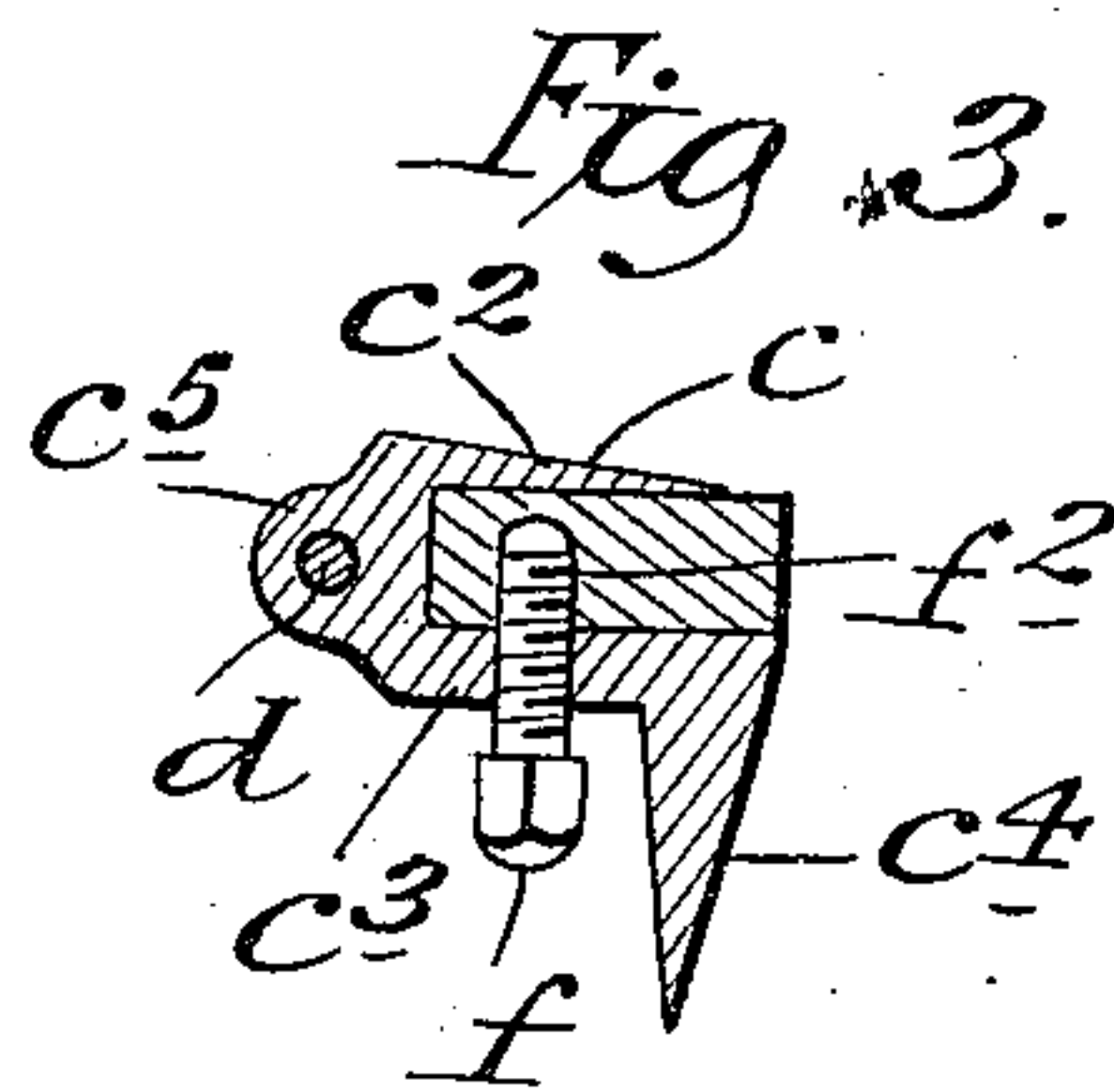
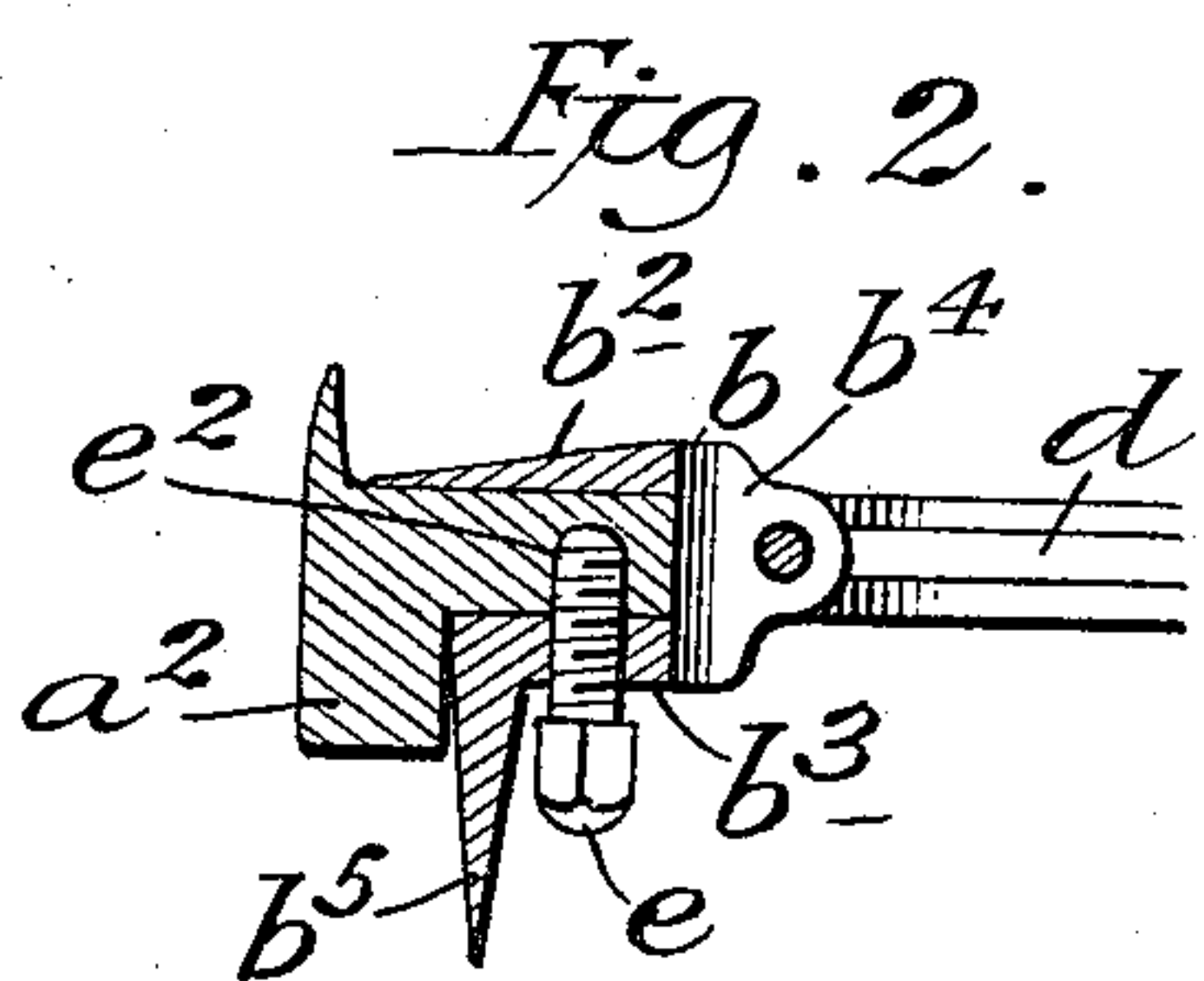
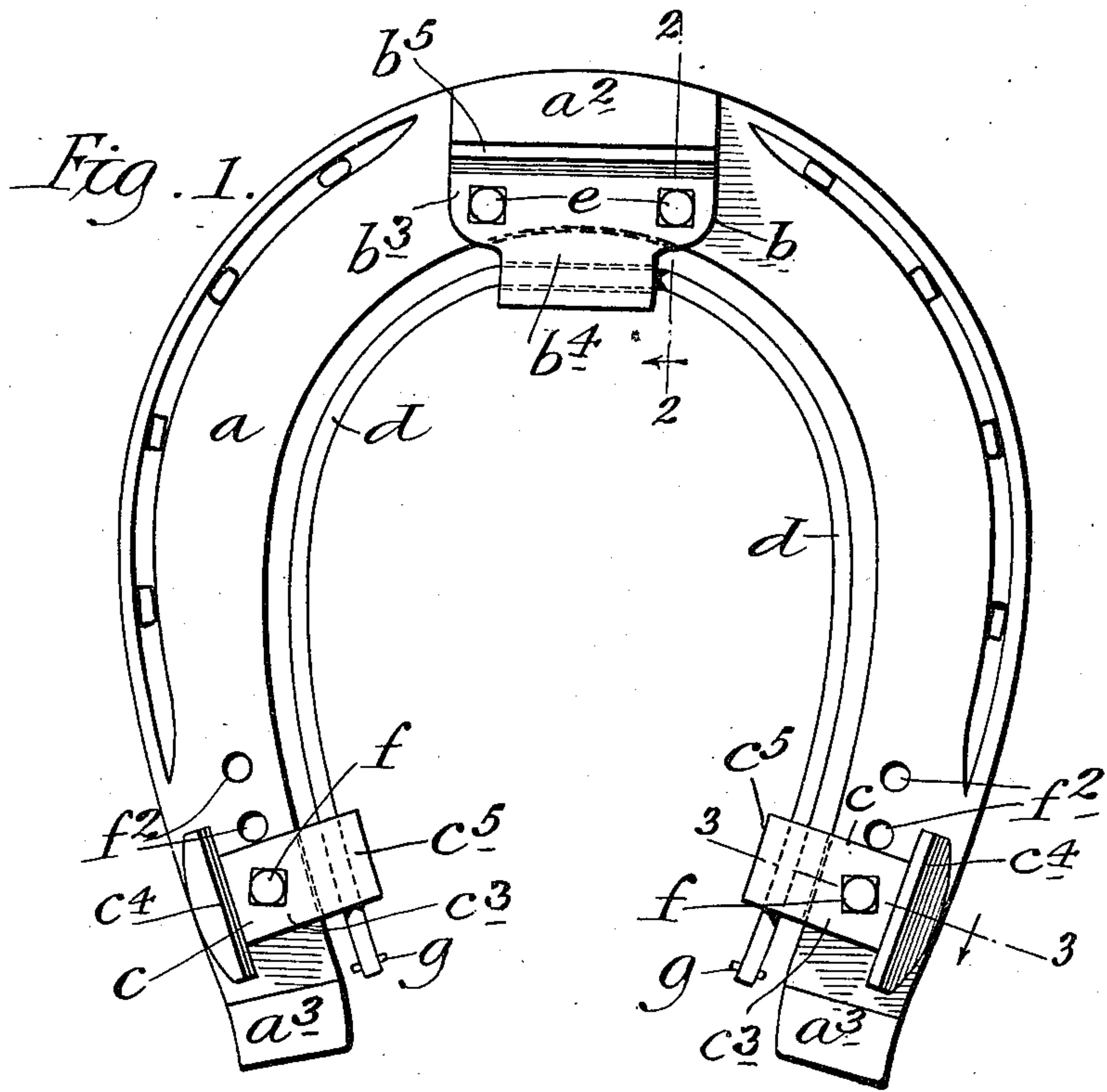


J. J. MAY.
 ANTISLIPPING ATTACHMENT FOR HORSESHOES.
 APPLICATION FILED AUG. 3, 1910.

975,553.

Patented Nov. 15, 1910.



Witnesses:
A. R. Appleman
J. Glanzrok

James J. May,
 Inventor,
 By *Edgar Tate & Co.*
 Attys.

UNITED STATES PATENT OFFICE.

JAMES J. MAY, OF MINEOLA, NEW YORK.

ANTISLIPPING ATTACHMENT FOR HORSESHOES.

975,553.

Specification of Letters Patent.

Patented Nov. 15, 1910.

Application filed August 3, 1910. Serial No. 575,314.

To all whom it may concern:

Be it known that I, JAMES J. MAY, a citizen of the United States, and residing at Mineola, Long Island, in the county of Nassau and State of New York, have invented certain new and useful Improvements in Antislipping Attachments for Horseshoes, of which the following is a specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to anti-slipping attachments for horseshoes, and the object thereof is to provide an improved device of this class which may be easily and quickly applied to a shoe whenever necessary in order to prevent a horse from slipping on ice or frozen street pavements, and which may be as quickly and easily detached from the shoe when the use thereof is no longer necessary.

The invention is fully disclosed in the following specification, of which the accompanying drawing forms a part, in which the separate parts of my improvement are designated by suitable reference characters in each of the views, and in which:—

Figure 1 is a bottom plan view of a horseshoe provided with my improved anti-slipping attachment; Fig. 2 a section on the line 2—2 of Fig. 1; and, Fig. 3 a section on the line 3—3 of Fig. 1.

In the drawing forming part of this specification, I have shown at *a* an ordinary horseshoe provided with a toe calk *a*² and heel calks *a*³, but these calks are not necessary, and may or may not be employed.

My improved anti-slipping attachment comprises a toe member *b* and two heel members *c* connected as hereinafter described. The toe member *b*, is U-shaped in form and comprises a top plate *b*² and a bottom plate *b*³ connected by a head member *b*⁴, and the bottom plate *b*³ is provided with a downwardly directed calk *b*⁵, this construction being clearly shown in Figs. 1 and 2. The heel members *c* are U-shaped in form and comprise top plates *c*², bottom plate *c*³ and downwardly directed calks *c*⁴, and the top and bottom plates *c*² and *c*³ are connected by a head member *c*⁵.

Passed through the head *b*⁴ of the toe member *b* and through the head *c*⁵ of the heel members *c* is a rod *d* curved to corre-

spond with the inner curve of the shoe, and the heel members *c* of the attachment are adjustable on this rod, the side portions of which form side arms on which the heel members *c* are mounted.

In securing my improved anti-slipping attachment to the shoe, the calk member *b*⁵ is slipped onto the front portion of the shoe from the inner side thereof, and the heel members *c* are slipped onto the side portions of the shoe from the inner side thereof, and screws *e* are passed upwardly through the bottom plate *b*³ of the toe member *b* and into the shoe, the toe portion of the shoe being provided with sockets *e*², to receive said screws, while other screws *f* are passed up through the bottom plates *c*³ of the heel members *c* of the attachment and into corresponding sockets *f*² in the sides of the shoe.

The sides of the shoe may be provided with a plurality of sockets *f*² in order that the heel members *c* of the attachment may be adjusted into different positions thereon if desired; and by reason of the fact that the heel members *c* are adjustable on the side portions or arms of the rod *d*, the attachment may be applied to shoes of different sizes as will be readily understood.

My improved anti-slipping attachment may also be applied to shoes before they are put on a horse, or the said attachment may be applied to horseshoes at any time, or after the horse has been shod, and changes in and modifications of the form and construction of the various parts of my improved anti-slipping attachment for horseshoes may be made, within the scope of the appended claims, without departing from the spirit of my invention or sacrificing its advantages.

The ends of the side portions of the rod *d* are also provided in the form of construction shown, with transverse pins which are secured therein and which prevent the accidental displacement or detachment of the heel members *c* of the attachment from said rod, but any suitable means may be provided for this purpose.

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

1. An anti-slipping attachment for horseshoes, comprising a toe member and two heel members, said members being U-shaped in form, and side rods connected with the toe

member and parallel with the sides of the shoe, and on which the heel members are adjustable.

2. An anti-slipping attachment for horse-shoes, comprising a toe member and two heel members, said members being U-shaped in form and being connected by a rod passed through the head of the toe member and through the heads of the heel members, and said members being provided with calks, and the heel members being adjustable on the side portions of said rod.

3. An anti-slipping attachment for horse-shoes, comprising a toe member and two heel members, said members being U-shaped in form and being connected by a rod passed through the head of the toe member and

through the heads of the heel members, and said members being provided with calks, and the heel members being adjustable on the side portions of said rod, and said attachment being adapted to be secured to a shoe by screws passed upwardly through the bottom portions of the heel and toe members and into the shoe.

In testimony that I claim the foregoing as my invention I have signed my name in presence of the subscribing witnesses this 2nd day of August 1910.

JAMES J. MAY.

Witnesses:

B. M. RYERSON,
C. E. MULREANY.