F. KUSIAK.

HORSESHOE.

APPLICATION FILED JAN. 2, 1918.

1,271,177. Patented July 2, 1918.

Fig. 1.

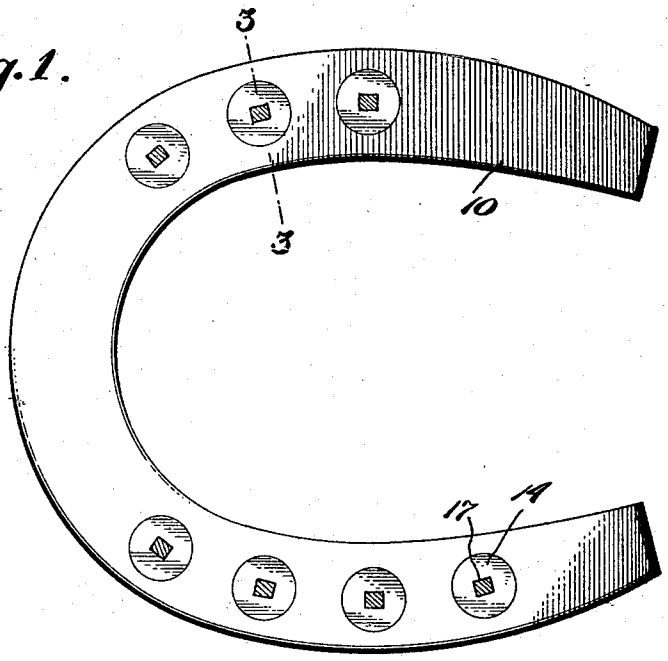


Fig. 2.

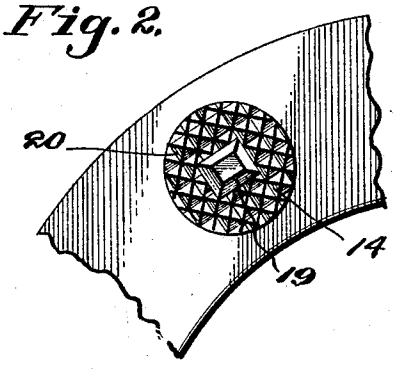
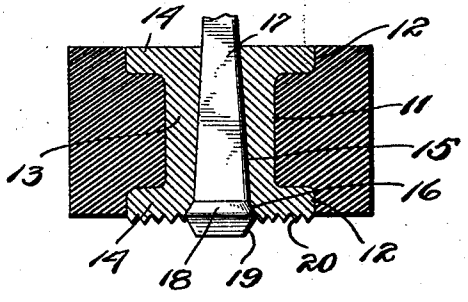


Fig. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

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HORSESHOE.

1,271,177. Specification of Letters Patent. Patented July 2, 1918.

Application filed January 2, 1918. Serial No. 209,975.

To all whom it may concern:

Be it known that I, FRED KUSIAK, 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 Horseshoes, of which the following is a specification.

This invention relates to horseshoes.

It is a well known fact that the ordinary metallic horseshoe is very ineffective when there is ice upon the ground or when pavements are otherwise rendered slippery, as for instance, when asphalt pavements are wet.

It will be noted that the principal object is to provide an improved form of rubber horseshoe which will be so constructed as to prevent slipping of the horse on wet or icy pavements and at the same time will be of such character as to prevent excessive wear around the nails either from contact with the pavement or from the action of the nails themselves.

With the above and other objects in view, as will be hereinafter apparent, the invention consists in general of certain novel details of construction and combinations of parts hereinafter fully described, illustrated in the accompanying drawing, and specifically claimed.

In the accompanying drawing, like characters of reference indicate like parts in the several views, and:—

Figure 1 is a top plan view of a horseshoe constructed in accordance with this invention.

Fig. 2 is an enlarged detail view showing a portion of the underside of the shoe with the nail-receiving and anti-wear device in position.

Fig. 3 is a section on the line 3—3 of Fig. 1 on an enlarged scale.

In carrying out the objects of this invention there is provided a horseshoe 10 which is made of rubber and is of the ordinary form. In the sides of this shoe are formed certain openings 11 having recesses 12 at their ends. These openings will be of the same number as the usual number of nail-receiving openings, that is to say, four on one side and three on the other, and within these openings I provide metallic sleeves 13 having flanges 14 at their ends which fit the recesses 12. By this means the sleeves are firmly connected to the body of the shoe. Through each of these sleeves extends an opening 15 recessed as at 16 at its lower end, the opening 15 and recess 16 being arranged to receive the body 17 and under portion 18 of a horseshoe nail. The recess 16 is so proportioned that it just receives the under portion 18 and permits the head 19 of the nail to project downward and thus form a spur to engage the surface of the street. Moreover the under face of each of the members 13 is serrated with cross serrations as at 20 which also aids in preventing slipping.

Thus when this shoe is in use it is placed on the horse's foot and the nails driven in the usual manner. By reason of the sleeves 13 the rubber part of the shoe will be firmly held in position, so that when the streets are slippery the horses in traveling will bring the rubber part of the shoes into contact with the street by the movement of their feet and can urge themselves forward without jarring or slipping. Moreover the nail-heads 19 and serrations 20 will aid greatly in this at times when the roads or streets are covered with hard snow, since these parts will dig slightly into this hard snow or ice and permit the rubber to come into contact therewith.

It is obvious that many minor changes may be made in the form and construction of the invention without departing from the material principles thereof. It is not therefore desired to confine the invention to the exact form herein shown and described, but it is wished to include all such as properly come within the scope claimed.

Having thus described the invention, what is claimed as new, is:—

A horseshoe provided with a rubber body having openings therethrough, said openings being provided with recesses at their opposite ends, sleeves fitted within said openings

and having flanges fitted within said recesses, each of said sleeves having a centrally disposed opening, said openings being adapted to have nails driven therethrough so that their heads project partially below the respective sleeves, and the latter having serrations formed on their lower faces.

In testimony whereof I affix my signature.

FRED KUSIAK.

Witnesses:

KATIE MASKALÜK,

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PHILIP × GRANDIE.

mark

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