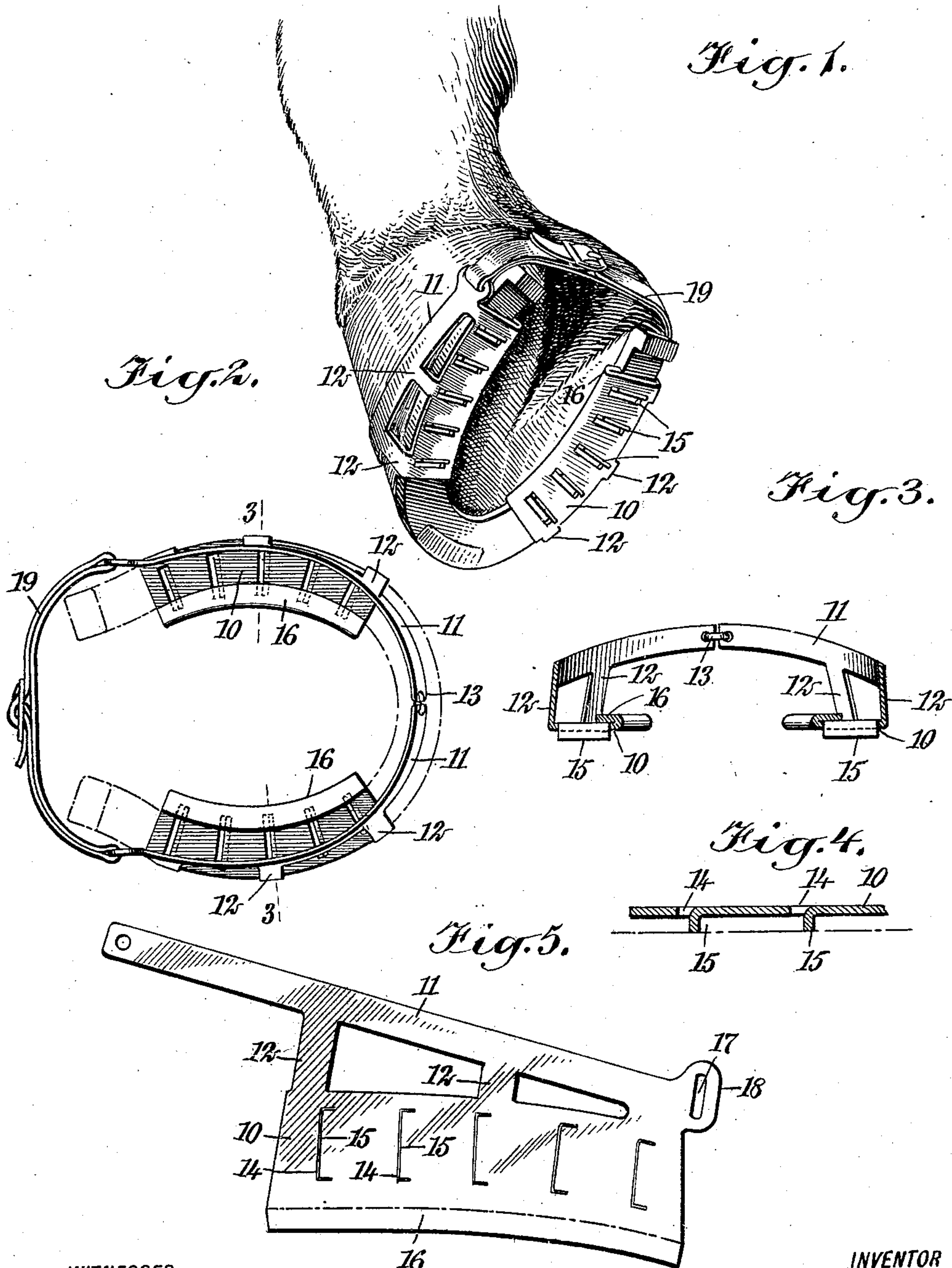


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HORSESHOE CALK.  
APPLICATION FILED JAN. 30, 1909.

934,199.

Patented Sept. 14, 1909.



WITNESSES

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# UNITED STATES PATENT OFFICE.

GEORGE S. MEYER, OF NEWBURGH, NEW YORK.

## HORSESHOE-CALK.

934,199.

Specification of Letters Patent. Patented Sept. 14, 1909.

Application filed January 30, 1909. Serial No. 475,204.

*To all whom it may concern:*

Be it known that I, GEORGE S. MEYER, a citizen of the United States, and a resident of Newburgh, in the county of Orange and State of New York, have invented a new and Improved Horseshoe-Calk, of which the following is a full, clear, and exact description.

This invention relates to certain improvements in detachable calks for use on horseshoes, and relates more particularly to that type of calk illustrated in my previous application, Serial Number 467,377, filed December 14, 1908.

The object of the present invention is to simplify the calk and reduce the cost of manufacture by forming not only the calk but the part for securing the same in place, all out of a single piece of sheet metal bent to the desired form.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures, and in which—

Figure 1 is a perspective view of a horse's foot provided with my improved removable calk; Fig. 2 is a top plan view of the calk, the horseshoe being shown in dotted lines; Fig. 3 is a transverse section on the line 3—3 of Fig. 2; Fig. 4 is a detail section taken longitudinally of the shoe; and Fig. 5 is a plan view of a blank used in the manufacture of my improved calk.

The calk is formed of two main members for engagement with the opposite halves of the horseshoe, and means for securing said members together. The general arrangement of the members is very similar to the calk shown in my prior application above referred to, but in the present construction I form each member of a single piece of sheet metal bent to the desired form. I provide two blanks of substantially the form shown in Fig. 5, each blank being cut from sheet steel or other suitable sheet metal. Each blank includes a body portion 10 in the form of a flat plate for engagement with the under surface of the shoe, and this plate is connected to a strap portion 11 by a plurality of connecting links 12. The strap portion is adapted for engagement with the outer and upper surface of the hoof and the connecting links or pieces 12 extend upwardly from the plate beneath the shoe to the strap portion 11. One end of the strap

portion extends a considerable distance beyond the end of the body and is adapted to be bent for engagement with the front portion of the hoof. Any suitable means, for instance, a ring 13, may be employed for securing together the front ends of the two strap portions. The connecting link or piece 12 nearest to the last-mentioned end of the strap portion is of considerably greater length than the link at the opposite end, so that the rear end of the strap portion 11 will come adjacent the lower portion of the hoof, while the front end of the strap portion is spaced a considerable distance upward from the lower portion of the hoof.

The body portion 10 of each member is provided with calks proper integral therewith, and these calks are formed by cutting substantially U-shaped slots 14 in the plate and bending the partially-inclosed tongues 15 downwardly to form transversely-extending flanges. As the tongues or flanges 15 constituting the calks extend transversely of the shoe, they constitute a roughened or gripping portion which prevents the horse from slipping. As many of these flanges may be provided as desired, and they may, if desired, extend at an angle to each other rather than being parallel. The body 10 of each member is provided with a flange 16 at its inner edge, bent upwardly to engage with the inner side of the shoe and prevent the outward movement of the member. This flange may extend upwardly directly adjacent the edge of the shoe, or may be folded back upon itself as illustrated. The width of the flange would depend to a certain extent upon the width of the shoe in connection with which the calk is employed. The rear end of each member is provided with a slot 17 forming a loop or ring 18, through which a strap 19 may be extended to secure the members together at their rear ends.

The entire device is formed of only two members and the necessary connections between the members both at the front end and at the rear end.

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

A removable horseshoe calk formed of two members detachably connected together at their front ends and a strap for detachably and flexibly connecting them together at their rear ends, each member being formed of a single piece of sheet metal having a plate

portion extending longitudinally of the shoe  
and in engagement with the under surface  
thereof and provided with a plurality of  
U-shaped slots cut therein to leave flanges  
5 extending downwardly and constituting sub-  
stantially parallel transversely - extending  
calks proper beneath the opposite side por-  
tions of the shoe, a flange extending up-  
wardly from said plate portion for engage-  
10 ment with the inner edge of the shoe, a strap  
portion for engagement with the outer sur-

face of the hoof, and connecting portions be-  
tween the lower edge of said strap portion  
and said plate portion.

In testimony whereof I have signed my 15  
name to this specification in the presence of  
two subscribing witnesses.

GEORGE S. MEYER.

Witnesses:

CLAIR W. FAIRBANK,  
JOHN P. DAVIS.