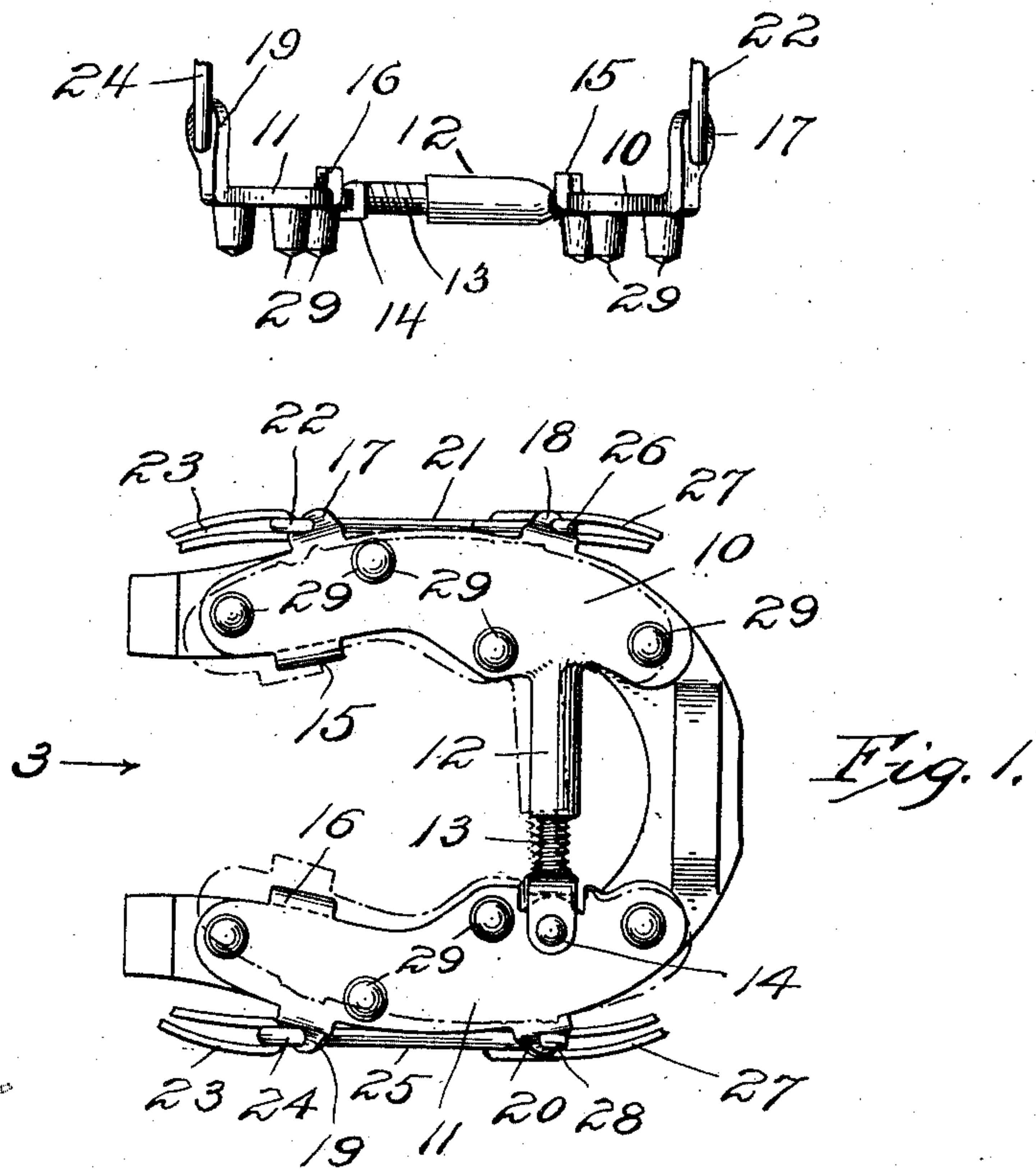


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Fig. 2.

Fig. 3.



Witnesses:
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UNITED STATES PATENT OFFICE.

JOSEPH B. KOPF, OF ROCKVILLE CENTER, NEW YORK.

SANDAL FOR HORSESHOES.

998,349.

Specification of Letters Patent.

Patented July 18, 1911.

Application filed April 1, 1910. Serial No. 552,885.

To all whom it may concern:

Be it known that I, JOSEPH B. KOPF, a citizen of the United States, residing at Rockville Center, in the county of Nassau and State of New York, have invented certain new and useful Improvements in Sandals for Horseshoes; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to ice creepers for horse shoes, and has for an object to provide a creeper of improved construction with improved means for securing such creeper to the shoe and hoof.

A further object of the invention is to provide a creeper embodying calks positioned to support the opposite sides of a horse shoe, with hinged adjusting means adapted to vary the distance between the calk supporting members.

A further object of the invention is to provide creeper sections hinged together and adjustable relative to each other, and with means carried by the sections for engaging and securing the members to a horse shoe and hoof.

With these and other objects in view—the invention comprises certain novel constructions, combinations and arrangements of parts, as will be hereinafter fully described and claimed.

In the drawings:—Figure 1 is an inverted plan view of the improved creeper. Fig. 2 is a view in side elevation of the improved creeper applied to a conventional shoe and hoof. Fig. 3 is a view in end elevation of the improved creeper as indicated by the arrow 3 in Figs. 1 and 3.

Like characters of reference designate corresponding parts throughout the several views.

The improved creeper which forms the subject-matter of this application is intended to be applied to a hoof already provided with a shoe of ordinary or conventional form and comprises two halves or sections indicated as 10 and 11, one as 10 provided with an internally screw-threaded sleeve 12 extending toward the other section, which latter section 11 is provided with a threaded bolt 13 proportioned to engage within the threaded sleeve 12 and hinged to the section 11 as at 14. By hinging together the sections as described it will be apparent that

the sections will have a motion relative to each other as indicated by dotted lines at Fig. 1.

The sections 10 and 11 are respectively provided with upstanding lugs 15 and 16 positioned and proportioned to engage the inner edge of a shoe as indicated at Fig. 1. The section 10 is also provided with ears 17 and 18 positioned to stand upwardly beside the exterior of the shoe and hoof as indicated at Fig. 2 while the section 11 is similarly provided with ears 19 and 20 similarly positioned. The ears 17 and 18 are connected by a rod 21 bent to form a loop 22 to receive strap 23 which passes about the posterior surface of the hoof and engages a similar loop 24 carried by the rod 25 connecting the ears 19 and 20. The rod 21 is also provided with a loop 26 to receive the strap 27 which passes about the anterior surface of the hoof and engages the loop 28 carried by the rod 25. The part of the loop 22 which receives the strap 23 is preferably so positioned as to be substantially vertical while the loop 26 is positioned at an angle so that the strap 27 passes about the hoof at such an angle as to properly engage the inclined anterior surface thereof.

The members 10 and 11 are provided with any approved form and number of calks indicated at 29, which calks are preferably removably secured to the members 10 and 11 by being screwed therein and are interchangeable. It is also preferable to have such calks located otherwise than in alignment with as wide a lateral space covered by such calks as convenient to prevent such calks slipping into cable slots, car tracks, switches and other openings in the street.

To apply the creeper to a shoe one of the members 10 or 11 is turned relatively to the other until a proper lateral adjustment is secured when by moving the members to the position shown in dotted lines at Fig. 1 they may be applied to the under surface of the shoe and secured upon the shoe and hoof by the use of the straps 23 and 27. It will be apparent that the ears 17, 18, 19 and 20 upon the exterior and the lugs 15 and 16 upon the interior of the shoe will maintain the creeper against displacement while the straps will maintain the entire device upon the shoe.

What I claim is:—

1. In a sandal for horse shoes, the combination of two plates, one plate having a

tapped lug rigidly connected therewith and
the other plate provided with a threaded
bar; said bar screwing into said lug and
said other plate being swiveled horizontally
5 on the extremity of said threaded bar; said
plates having upward projections and straps
extending from the plates fastening over
the front part of the horse's hoof; said
straps and their connection with the plates
10 adapted to spread said plates outwardly at
their rear ends and press said projections
against the inner edge of the horse shoe.

2. In a sandal for horse shoes, the combi-
nation of two plates, one plate having a
15 tapped lug rigidly connected therewith and
the other plate provided with a threaded
bar; said bar screwing into said lug and
said other plate being swiveled horizontally
on the extremity of said threaded bar; said

plates having upward projections and straps 20
extending from the plates fastening over
the front part of the horse's hoof; said
straps and their connection with the plates
adapted to spread said plates outwardly at
their rear ends and press said projections 25
against the inner edge of the horse shoe;
and straps extending from said plates and
fastening over the rear part of the horse's
hoof, said rear straps and their connections
adapted to draw said plates together at their 30
rear ends.

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

JOSEPH B. KOPF.

Witnesses:

MARY PERRY,
HUGO MOCK.

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