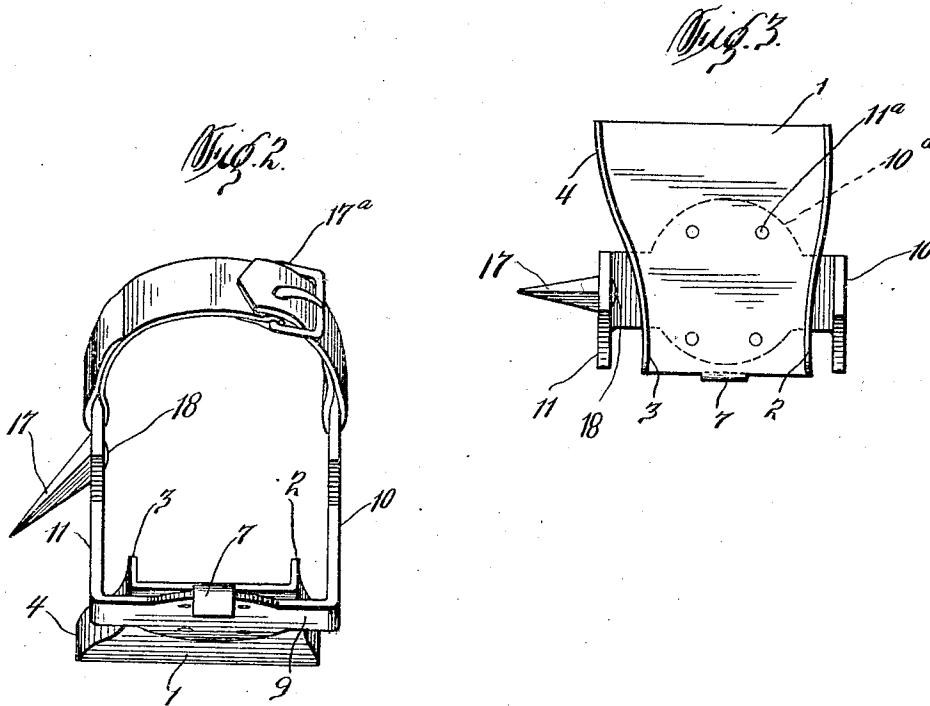
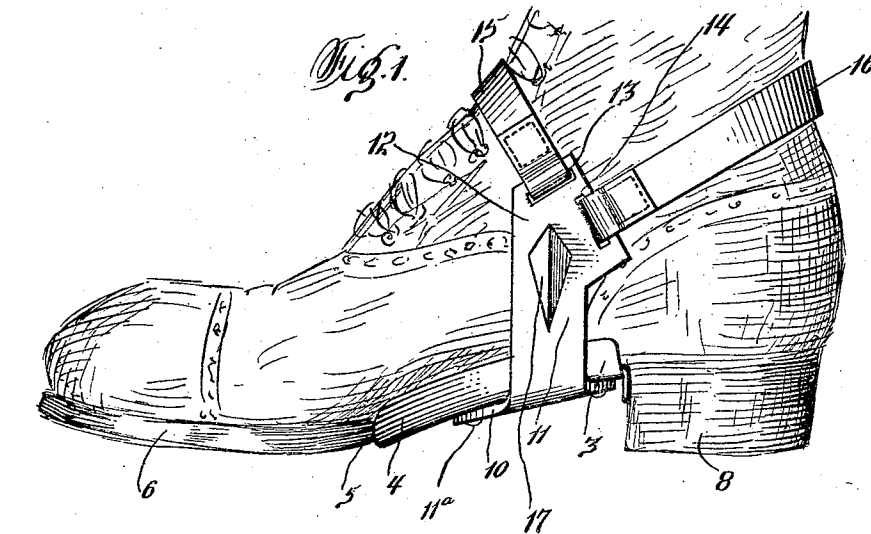


P. H. SPEERSTRA.  
CLIMBING STIRRUP.  
APPLICATION FILED JULY 27, 1909.

938,905.

Patented Nov. 2, 1909.



Witnesses

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# UNITED STATES PATENT OFFICE.

PETER H. SPEERSTRA, OF STEUBENVILLE, OHIO.

## CLIMBING-STIRRUP.

938,905.

Specification of Letters Patent.

Patented Nov. 2, 1909.

Application filed July 27, 1909. Serial No. 509,909.

*To all whom it may concern:*

Be it known that I, PETER H. SPEERSTRA, a citizen of the United States of America, residing at Steubenville, in the county of Jefferson and State of Ohio, have invented certain new and useful Improvements in Climbing-Stirrups, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to climbing stirrups, and the invention aims to provide a simple and inexpensive stirrup that will easily fit a shoe and be economical and cheap to manufacture.

The invention further aims to provide a strong and durable stirrup that can be safely used for climbing poles, trees and other up-rights or structures that could not be otherwise easily ascended without the use of climbing stirrups.

The invention will be hereinafter considered in detail and then claimed, and reference will now be had to the drawing, wherein there is illustrated a preferred embodiment of the invention, but it must be understood that the structural elements thereof can be varied or changed without departing from the spirit of the invention.

In the drawings:—Figure 1 is a side elevation of a stirrup constructed in accordance with my invention, showing the same applied to a shoe, Fig. 2 is an end view of a detached stirrup, and, Fig. 3 is a plan of the same.

In the drawings 1 denotes a sole plate having vertical side flanges 2 and 3, extending from one end of the plate to the opposite end. The side flange 3 is off-set, as at 4 to provide clearance for the off-set portion 5 of a shoe sole 6.

7 denotes a depending lug located centrally of the rear end of the sole plate 1 and adapted to engage the heel 8 of the shoe and prevent a rearward movement of the sole plate after the same is fastened upon the shoe.

9 denotes a strap or stirrup having a central circular enlarged portion 10<sup>a</sup>, which is suitably secured to the sole plate 1, preferably by rivets 11<sup>a</sup>. The strap or stirrup 9 has the side arms 10 and 11 thereof enlarged at their upper ends, as at 12 and provided with slots 13 and 14, the slots 14 being disposed at right angles to the slots 13, with the slots 14 in parallelism with one edge of each arm, while the slots 13 are simi-

larly disposed relative to another edge of each arm. Fastened to the arms 10 and 11 through the medium of the slots 13 and 14 are straps 15 and 16 having buckles 17<sup>a</sup> of a conventional form. The strap 15 is adapted to pass over the instep portion of the shoe, while the strap 16 passes around the rear portion of the shoe above the heel 8, thus firmly fastening the strap or stirrup 9 to the shoe whereby the same cannot slip when the climbing stirrup is being used.

17 denotes a tapering pin or prong suitably secured to the arm 11, preferably by a rivet 18. This pin or prong is made of strong and durable metal and tempered whereby it can be sharpened. The pin or prong 17 is disposed at an angle to the arm 11, extending downwardly whereby it can be pushed or driven into a pole to safely support the strap or stirrup 9 and the foot to which the strap or stirrup is fastened.

The climbing stirrup is made of strong and durable metal and the sole plate 1 thereof is adapted to provide a firm and comfortable rest for a foot upon the stirrup, while the position of the straps 15 and 16 prevents the strap from shifting relative to a shoe and insures an equal distribution of the stresses and strains to which the stirrup is subjected when climbing a pole or similar structure.

It of course will be understood that a stirrup is used upon each foot and that the pins or prongs 17 are positioned upon the inner sides of the shoes to permit of a pole being straddled while climbing and the feet alternately advanced.

Having now described my invention, what I claim as new, is:—

1. In a device of the character described, a sole plate having the sides thereof provided with vertical flanges adapted to embrace the edges of the shoe, a depending lug carried at the rear of the plate and adapted to engage the front of a heel to prevent rearward movement of the plate when in position, a stirrup secured to the under side of said sole plate and having the arms thereof provided with slots and adapted to extend at the sides of the flanges of the sole plate, straps connected to said arms through the medium of said slots, and a tapering angularly disposed prong carried by one of the arms of said stirrup.

2. In a device of the character described, a sole plate having the sides thereof pro-

vided with vertical flanges adapted to embrace the edges of the shoe, a depending lug carried at the rear of the plate and adapted to engage the front of a heel to prevent rear-  
5 ward movement of the plate when in position, a stirrup secured to the under side of said sole plate and having the arms thereof extending at the sides of the flanges of the sole plate, said arms having enlarged free  
10 ends provided with slots, the free end of one arm opposing the free end of the other

arm, straps adapted to connect with said arms through the medium of said slots, and a downwardly tapering angularly disposed prong carried by one of the enlarged ends 15 of one of said arms.

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

PETER H. SPEERSTRA.

Witnesses:

FRED M. COLEMAN,  
JULIA I. COLEMAN.