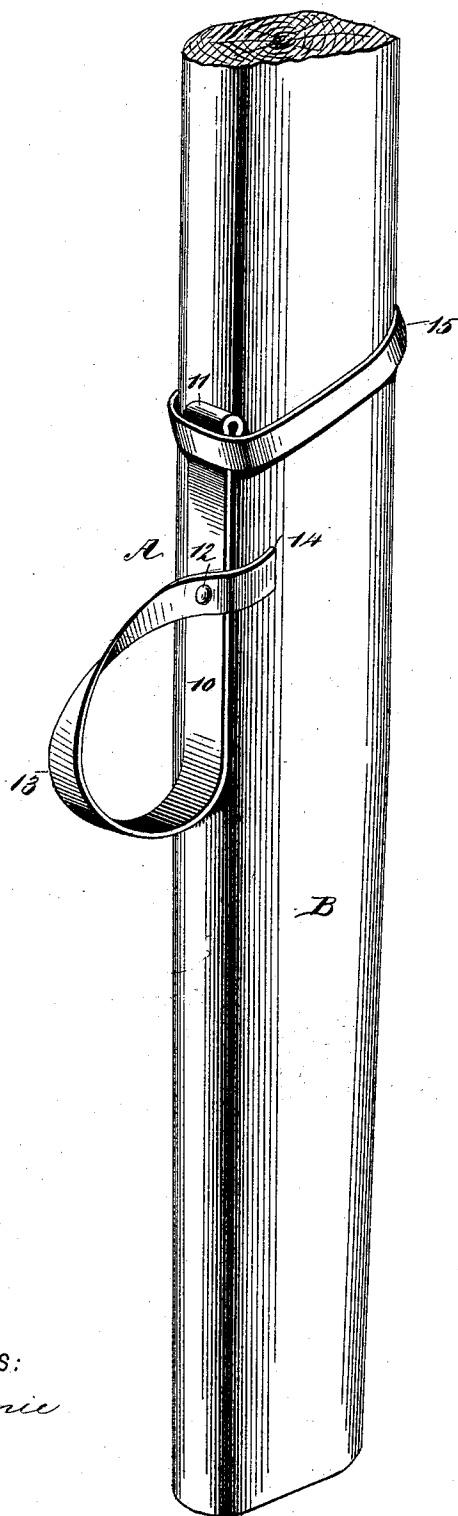


(No Model.)

E. C. EMDE.
STILT.

No. 509,726.

Patented Nov. 28, 1893.



WITNESSES:

John A. Rennie
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UNITED STATES PATENT OFFICE.

EDWARD CHARLES EMDE, OF TACOMA, WASHINGTON.

STILT.

SPECIFICATION forming part of Letters Patent No. 509,726, dated November 28, 1893.

Application filed July 18, 1893. Serial No. 480,809. (No model.)

To all whom it may concern:

Be it known that I, EDWARD CHARLES EMDE, of Tacoma, in the county of Pierce and State of Washington, have invented a new and useful Improvement in Stilts, of which the following is a full, clear, and exact description.

My invention relates to an improvement in stilts, and it has for its object to provide a stirrup or foot rest for stilts, which will be of simple, durable and economic construction, and which is likewise capable of being expeditiously and conveniently adjusted to any point in the length of the stilt.

Another feature of the invention is to so construct the stirrup or foot rest that it will not move laterally when pressure is brought to bear upon it in a forwardly direction, namely, when the foot is in the stirrup and the stilt is in use, but wherein in the event the operator should fall from the stilts the stirrup will be free to move in a rearwardly direction and thereby enable the foot to readily slip from it.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth and pointed out in the claims.

Reference is to be had to the accompanying drawing forming a part of this specification, which represents a perspective view of the improved stirrup and foot rest applied to a stilt.

In carrying out the invention the stirrup or foot rest A, is preferably made of a single strip of metal bent upon itself to form a straight body or shank section 10, which at its upper end is provided with an enlargement or head 11, of any approved character. At the lower end of the shank or body 10 of the stirrup the metal is curved outwardly and upwardly from the shank for a predetermined distance, and is then carried laterally in direction of the front edge of the shank to an engagement with the inner side face thereof, to which it is attached by means of a rivet 12 or its equivalent, forming thereby a loop 13, adapted to receive the foot of the operator, and producing also a perfect stirrup. After the metal strip has been secured to the shank it is carried beyond the opposite or rear edge of the shank, and curved laterally in a rearwardly direction, forming a lip 14, adapted for engagement with the rear

face of the stilt B to which the stirrup or foot rest is to be applied.

The application of the stirrup or foot rest to the stilt is accomplished through the medium of a band 15, which is of greater circumference than the circumference of the stilt to which the attachment is to be made. When placing the band 15 upon the stilt, the head 11 of the shank of the stirrup is made to extend beyond the upper edge of the band, as shown in the drawing, while the lower edge of said band will bear against the stirrup shank below its head; and when the foot is placed in the stirrup and downward pressure is exerted thereon, the band will assume a diagonal position, and will firmly hold the stirrup at whatever point it may have been adjusted upon the stilt.

To effect an adjustment of the stirrup it is carried slightly rearwardly, whereby the band is loosened, and thereupon the band may be raised or lowered when in a horizontal position to any point in the length of the stilt, carrying the stirrup with it; and when the desired point has been reached, the weight of the stirrup will cause the band to engage with the stilt with sufficient frictional contact to hold it stationary, and the more weight applied to the stirrup the firmer the band will cling to the stilt and bind the stirrup thereto.

The lip or tongue 14, effectually prevents the stirrup from moving in a forwardly direction when the foot is thrust into it; but in the event the operator should fall from the stilts the stirrup will move in a rearwardly direction, and in so doing will permit the foot to be readily released from it. In this manner while the stirrup is perfectly rigid while it is in operation, yet it will have sufficient movement in a proper direction to prevent a limb from being broken or strained in the event of a fall.

It is evident that the stirrup is exceedingly simple as well as durable and economic, and that any boy of ordinary intelligence may conveniently adjust it.

It will be understood that the stirrup and the band above described as being made of metal may be constructed of any material suitable for the purpose.

Having thus described my invention, I

claim as new and desire to secure by Letters Patent—

1. A stirrup or foot rest for stilts, the same
5 consisting of a strip of material, substantially
as described, bent upon itself to form a shank
and a loop at the lower end of the shank, the
loop being attached at its upper end to the
shank and continued over the shank, forming
a lip located at one side of the shank, and a
10 clamping device adapted to attach the stirrup
to the stilt, as and for the purpose specified.

2. In a stilt, a stirrup or foot rest, consist-
ing of a strip of material of substantially the
character described, bent upon itself to form
15 a shank having a head at one end and a loop
at the opposite end, the loop at its upper end
being attached to the shank and carried be-

yond one edge of the shank, forming a lip,
and a band adapted to hold the shank upon
the stilt, as and for the purpose specified. 20

3. The combination, with a stilt and a band
loosely mounted thereon, of a stirrup or foot
rest, the same consisting of a shank passed
between the band and the stilt and provided
above the band with a head, a loop formed at 25
the lower end of the shank, the upper portion
of which loop is attached to the shank, and a
lip extending beyond one side of the shank,
as and for the purpose set forth.

EDWARD CHARLES EMDE.

Witnesses:

FRED. M. HEDGER,

LAWRENCE WILLIAM APPEL.