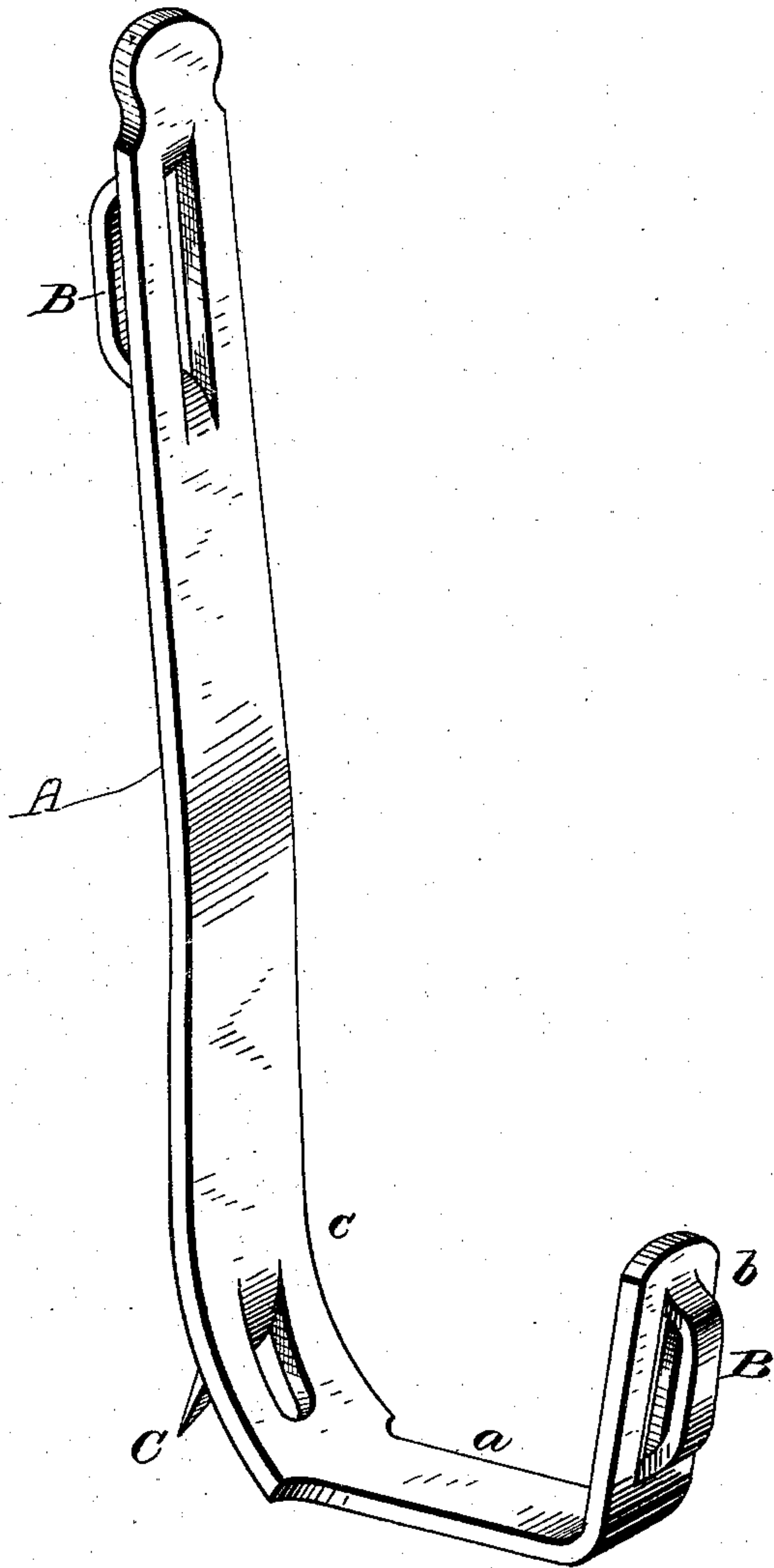


(Model.)

T. HILL.  
Pole Climber.

No. 237,275.

Patented Feb. 1, 1881.



Witnesses.  
Frank L. Ouraud  
J. J. McCarthy.

Inventor  
Thomas Hill  
By Alexander Munson  
Atty

# UNITED STATES PATENT OFFICE.

THOMAS HILL, OF JERSEY CITY, NEW JERSEY.

## POLE-CLIMBER.

SPECIFICATION forming part of Letters Patent No. 237,275, dated February 1, 1881.

Application filed December 6, 1880. (Model.)

*To all whom it may concern:*

Be it known that I, THOMAS HILL, of Jersey City, in the county of Hudson, and in the State of New Jersey, have invented certain new and useful Improvements in Pole-Climbers; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

My invention relates to that class of implements known as "climbing-irons," used particularly for ascending and descending telegraph-poles, and its peculiarities will be hereinafter more fully set forth.

To enable those skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

In the annexed drawing, which is a perspective of my invention, A represents the iron, which, in general configuration, is similar to the ordinary iron employed for the purpose.

My invention has for its objects to cheapen the construction of such irons, and at the same time render them more durable and more reliable in operation. These objects I attain by the device illustrated in the above-mentioned drawing, in which—

The letter A indicates the iron, which is constructed of a strip or blank of malleable iron, as usual.

The letter B indicates the loops, which are formed by cutting the metal so as to form a slot at each loop, and stamping up the metal from such slot, so as to form the loop, as indicated.

The letter C indicates the spur, which engages the body of the telegraph-pole to support the person in ascending and descending. This

spur, like the loops, is formed by cutting the metal and punching the lip or tongue formed by the cut outward at a proper angle and sharpening such lip properly. The iron, with the loops and spur thus formed, is bent in a manner similar to the ordinary iron, so as to form a support, *a*, for the foot and side standards, *b c*, by means of which it can be strapped to the leg and ankle of the wearer.

My improved device is secured to the wearer, in the usual manner, by placing the portion *a* under the foot and securing the portions *b* and *c* by means of straps.

It will be seen that as thus constructed the loops, as well as a spur, are formed in one and the same piece with the iron, by which the construction of the article is cheapened, as no bolting or riveting is required to secure the loops and spur, and that such parts are much more secure and less liable to be separated, which separation would endanger the life of the wearer or tend to subject him to serious injury, if it should occur when he was at a considerable elevation.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

The within-described climbing-iron, formed with top and bottom loops, B B, for the fastening-straps, the stirrup for the foot, and the spur C, substantially in the manner and for the purpose specified.

In testimony that I claim the foregoing I have hereunto set my hand and seal this 10th day of November, 1880.

THOMAS HILL. [L. S.]

Witnesses:

WILLIAM J. ROUGET,  
CHAS. E. NUGENT.