

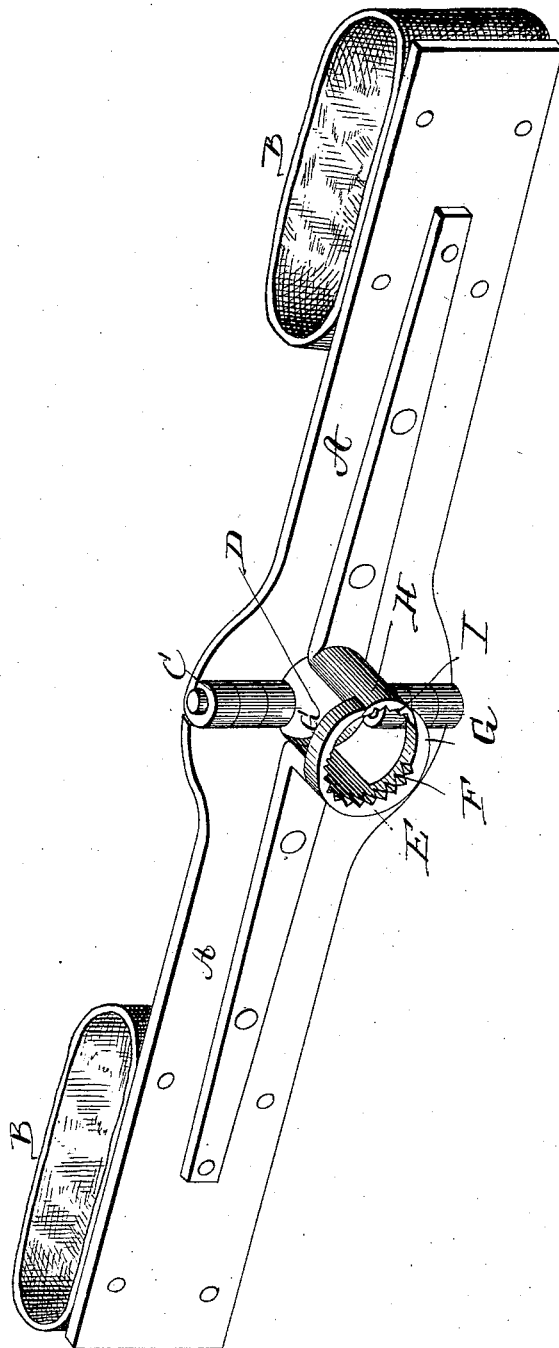
(No Model.)

S. C. MATTESON.

CLAMP FOR CLIMBING ROPES, RODS, &c.

No. 306,939.

Patented Oct. 21, 1884.



Witnesses:

Jared Matteson
Chas. J. Thompson

Inventor:

Silas C. Matteson

UNITED STATES PATENT OFFICE.

SILAS C. MATTESON, OF CAMPBELLSPORT, WISCONSIN.

CLAMP FOR CLIMBING ROPES, RODS, &c.

SPECIFICATION forming part of Letters Patent No. 306,939, dated October 21, 1884.

Application filed August 21, 1884. (No model.)

To all whom it may concern:

Be it known that I, SILAS C. MATTESON, a citizen of the United States, residing at Campbellsport, in the county of Fond du Lac and State of Wisconsin, have invented certain new and useful Improvements in Apparatus for Ascending and Descending Ropes, &c.; and I do hereby declare that the following is a full, clear, and exact description of the same, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawing, which forms a part of this specification, and which represents a perspective view of my improved apparatus.

My invention relates to apparatus for ascending or descending ropes, rods, or similar objects; and it consists in the improved construction and combination of parts of the same, as hereinafter more fully described and claimed.

In the accompanying figure on the drawing, representing a perspective view, the letters A A indicate two arms or flat bars, provided at their ends upon the upper sides with two loops or straps, B B, for the insertion of the feet of the person using the apparatus, and hinged together at their inner wider ends, as shown at C. The inner hinged ends of the bars form a circular aperture, D, through which the rope or rod passes, and the under side of one of the inner ends of the arms is provided with a downwardly-projecting bracket or jaw, E, shaped as a portion or segment of a cylinder, having the lower edge of its inner concave side provided with teeth F, and formed with two arms, G G, extending from the lower ends of side edges and bent to conform to the curve of the jaw, having a space between their ends, into which space another jaw, H, projects, the said jaw projecting from the inner end of the other arm and being provided with teeth I at

the inner side of its lower edge, similar to the other jaw, this jaw likewise forming a cylinder-segment, and both jaws being concentric with the aperture between the inner ends of the arms or bars. It will now be seen that when a person places the apparatus upon a rope or pole, the said rope or pole passing through the central aperture, and thereupon places his feet in the straps, he will force the jaws to clamp the rope by bearing his weight upon the ends of the arms, and may again release the jaws, allowing the apparatus to be slid upon the rope or rod when the weight is removed and the ends of the arms or bars drawn upward, so that the apparatus may be used to support the feet of a person in ascending or descending a rope or rod.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

An apparatus for ascending or descending ropes, rods, or similar objects, consisting of two arms or bars hinged together at their inner ends and having an aperture for the passage of the rope or rod through the said hinged ends, and provided with foot straps at their ends, the cylindro-segmental jaw secured to the under side of the inner end of one of the bars having the teeth at the lower edge of the inner side, and having the laterally-projecting curved arms at the lower ends of its side edges, and the cylindro-segmental jaw having teeth at the inner side of its lower end, secured upon the inner end of the other arm and fitting between the ends of the arms of the other jaw, as and for the purpose shown and set forth.

SILAS C. MATTESON.

Witnesses:

ETTA MATTESON,
C. C. HANSON.