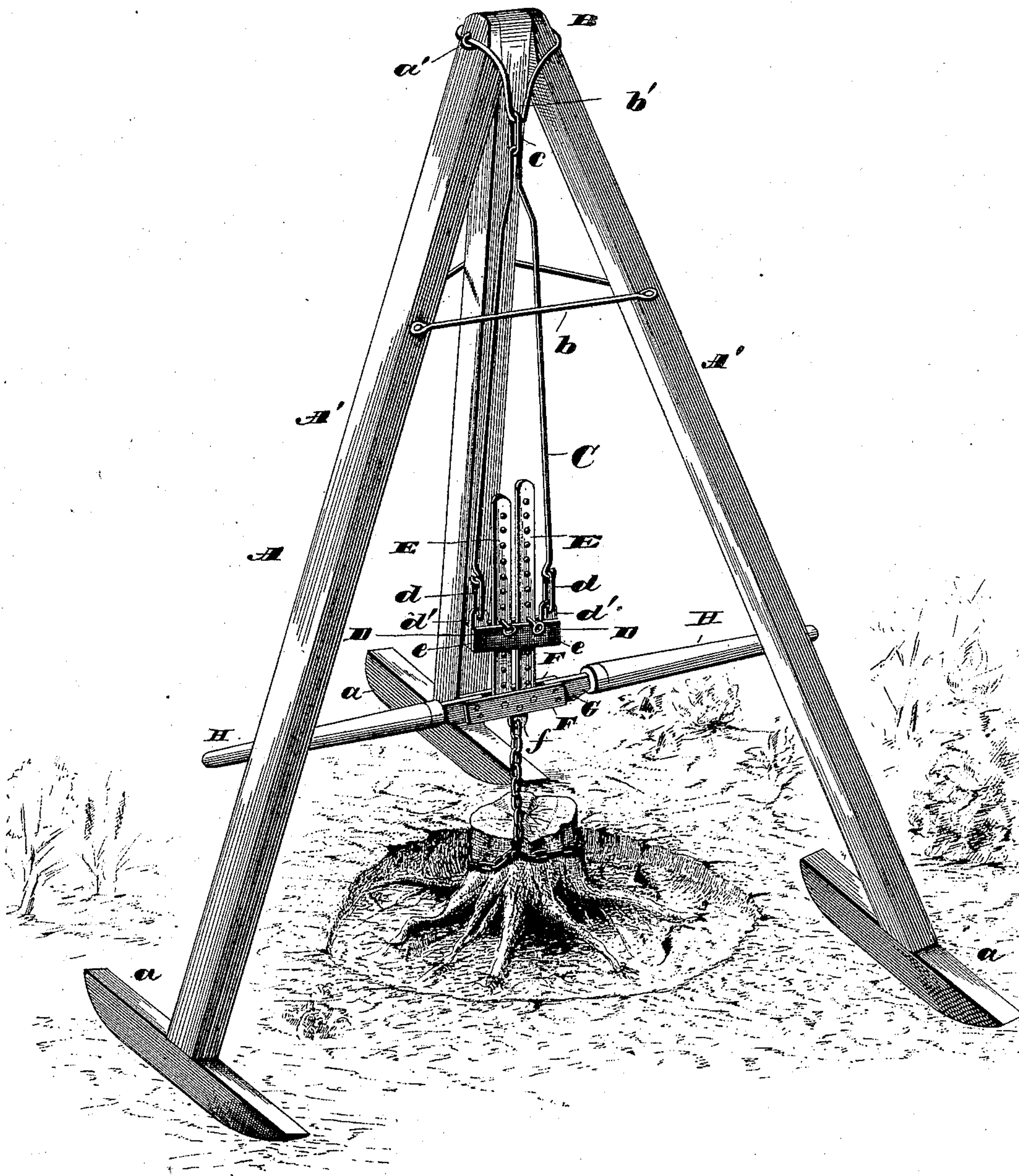


(No Model.)

J. NOLF.
STUMP EXTRACTOR.

No. 365,699.

Patented June 28, 1887.



WITNESSES
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JACOB NOLF, OF NEW MAYSVILLE, PENNSYLVANIA.

STUMP-EXTRACTOR.

SPECIFICATION forming part of Letters Patent No. 365,699, dated June 28, 1887.

Application filed April 21, 1887. Serial No. 235,654. (No model.)

To all whom it may concern:

Be it known that I, JACOB NOLF, a citizen of the United States of America, residing at New Maysville, in the county of Clarion and State of Pennsylvania, have invented certain new and useful Improvements in Stump-Extractors; 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, reference being had to the accompanying drawing, and to letters or figures of reference marked thereon, which form a part of this specification.

My invention relates to certain new and useful improvements in stump-extractors; and it consists in the construction and combination of the parts, as will be hereinafter fully set forth, and specifically pointed out in the claims.

In the accompanying drawing, which illustrates my invention, the figure is a perspective view of a stump-extractor constructed in accordance with my improvement.

A refers to the frame, which consists of three uprights A', which are provided at their lower ends with shoes a, which are attached to the lower ends of the uprights so as to be on a line with each other. The upper ends of the two outer uprights are beveled, so that the inner sides of these beveled portions will be parallel with each other, and through the upper ends, which are placed to be on a line with each other, passes a bolt, a', which will connect the upper ends of the three uprights securely to each other.

At a suitable distance below the upper ends of the uprights or posts A' brace-bars b, which have their ends formed into eyes, are attached. The upper ends of the uprights A' are further secured to each other by a bail or loop, B, which is made of a single continuous piece or bar of metal of sufficient size to permit the same being passed around the upper ends of the uprights A', and provide a depending portion, b', which will extend below the bolt a'. This loop B, when pressure is applied to its depending portion, will bind the upper ends of the uprights securely against each other, and as said uprights diverge said loop cannot slip down upon the same.

Within the depending portion of the loop

B is secured a link, c, through which passes a bail, C, said bail having its lower ends bent into eyes for engagement with links d d, which engage with upwardly-projecting pieces d', which are securely attached by means of rivets to the parallel plates D D. The pieces d' not only provide a means for attaching the links, but also serve to keep the plates D separated from each other, so as to provide a space through which the flat bars E may pass. These bars E are provided at suitable intervals with perforations to receive supporting-pins e, which will rest upon the upper edge of said bars D when the stump extractor is being operated.

The lower ends of the perforated bars E are pivotally attached to plates F F, and between the bars E is a perforated plate, f, to which a chain or other connection may be secured for attaching thereto the weight or stump to be elevated. To the outer ends of the plates F F are rigidly secured shanks G, to which are attached levers H H.

When it is desired to elevate a stump or raise weights, the chain or other connection is secured to the weight or stump, and by reciprocating the lever the pressure will be brought upon one of the pins while the opposite bar is elevated, and when said bar is elevated the pin is inserted in the perforation immediately above the upper edge of the plates D, and by continuing the reciprocation of the lever and withdrawing and replacing the pins a large amount of leverage is obtained, which can be utilized for drawing stumps or raising weights.

I am aware that prior to my invention it was not new to attach perforated bars to a lever and have said bars extend through a plate at the upper portion of the supporting-frame; and I do not claim such construction as my invention, the object of my improvement being to bring the plate D down as low as possible, so that it will be easily accessible, so that the pins may be placed in the perforations by the person who operates the levers, and by constructing the parts as herein shown and described the device can be operated by a single person.

I claim—

1. The improved stump-extractor herein described, consisting of the uprights A', which are connected to each other at their upper ends,

a loop, B, encircling the upper ends of said supports and provided with a depending portion, *b'*, a bail, C, depending from said looped portion *b'* and connected at its lower end to
5 plates D, a lever, H, having perforated bars E pivotally attached thereto, and pins for engaging with said perforated bar and the upper edge of the plates D, substantially as shown, and for the purpose set forth.

10 2. In a stump-extractor, the uprights A', two of said supports having their upper ends beveled so as to be parallel with each other, and a connecting-bolt, a loop, B, which partially encircles the upper ends of said supports
15 and is provided with a depending portion, *b'*,

a bail, C, connected by means of links to the loop B and plates D, levers H, provided with shanks G, to which are attached parallel plates F, said plates having centrally attached thereto a perforated plate, *f*, and perforated bars E E, 20 the parts being combined and organized substantially as shown, and for the purpose set forth.

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

JACOB NOLF.

Witnesses:

ISAAC POSTLETHWAIT,
WILSON W. YEANY.