

E. Farnsworth,

Lifting Jack.

No. 106,926.

Patented Aug. 30. 1870

Fig. 1.

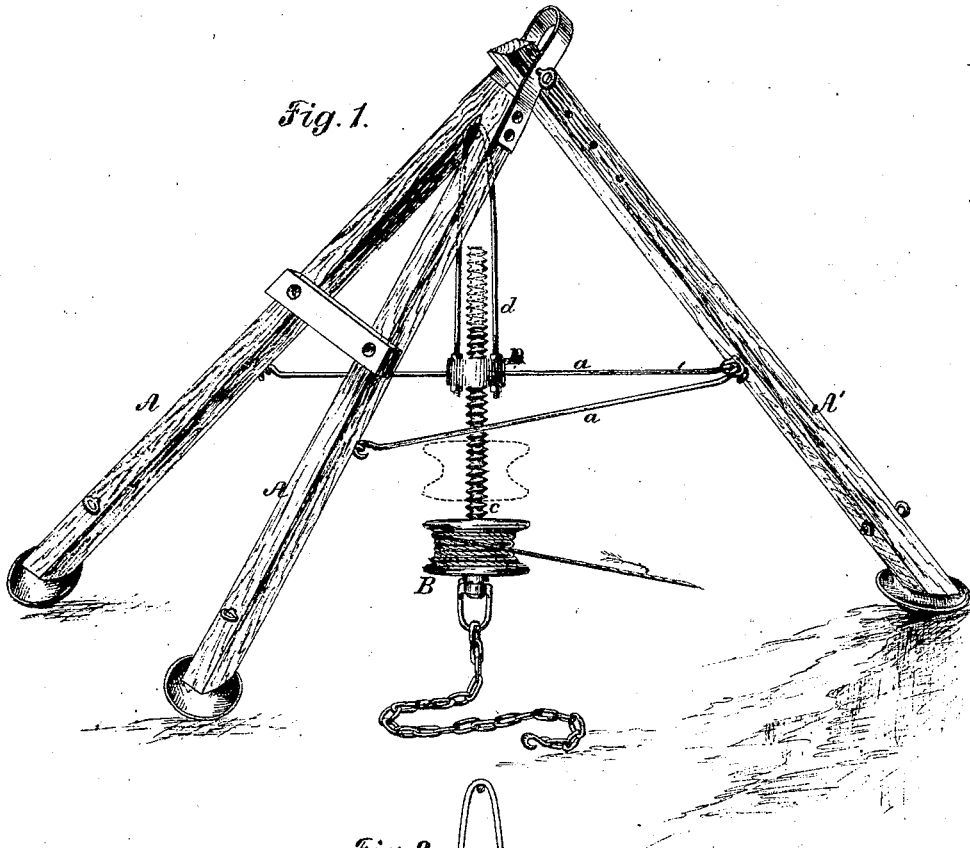
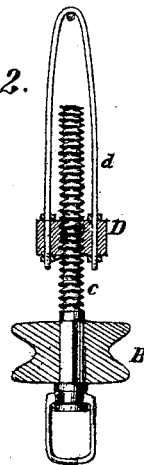


Fig. 2.



Witnesses:

Wm. A. Norton
J. P. Chad. Lang

Inventor:

Emek Farnsworth
per Edson M. M.
Attorney

United States Patent Office.

ENOCH FARNSWORTH, OF SABBATH REST, PENNSYLVANIA.

Letters Patent No. 106,926, dated August 30, 1870.

IMPROVEMENT IN STUMP-EXTRACTOR.

The Schedule referred to in these Letters Patent and making part of the same

To all whom it may concern :

Be it known that I, ENOCH FARNSWORTH, of Sabbath Rest, in the county of Blair and State of Pennsylvania, have invented an Improved Stump-Extractor; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon.

Drawing.

Figure 1 is a perspective view of my improved stump-extractor, the dotted lines indicating the screw and pulley partly elevated, and

Figure 2 is a detached view, partly in section.

Similar letters of reference refer to like parts in both of the figures.

The object of this invention is to provide a stump-extractor, which shall be effective in its operations, and simple and light in its construction, whereby it may be easily adjusted from place to place while at work; and to this end,

My invention consists in the construction, combination, and arrangement of the parts composing the same, as will be hereinafter specifically designated and set forth in the description and claim which follows.

To enable others to make and use the same, I will proceed to describe its construction and operation.

In the annexed drawing forming a part of this specification—

A A A' represent the parts which form the framework of my device, braced by rods *a a*, and resting upon saucer-shaped plates. The parts A A have a loop or yoke at their upper ends, through which the part A' passes, where it is secured by a bolt. Each

of the parts A A A' has a hook or eye near its lower end, to which the power can be attached which moves the machine from place to place. It will be seen that the strain in moving need not, in this device, always be applied at the same point, whereas in others the power or strain must, if either be necessary, always be applied at the same point, otherwise such strain would injure the machine.

B is a spool or pulley, fixed, in a permanent manner, upon the screw C, which plays through a threaded boss, D, suspended, by a rod, *d*, from the frame, as clearly shown in the drawing. The chain is attached to the screw, at its lower end, by a link, which forms, with it, a swivel joint. As the rope is drawn from the pulley the screw rises, carrying with it the stump.

This extractor can be as effectually applied upon a hill-side as upon an even surface; for this purpose it is only necessary to shorten the length of the part A' by passing it through the yoke such a distance as the degree of inclination of the ground may require.

Having thus described my invention,

What I claim, and desire to secure by Letters Patent of the United States, is—

A stump-extractor, consisting of the parts A A A', bars *a a*, rod *d*, boss D, screw C, and pulley B, when said parts are arranged to operate substantially as shown and described, and for the purpose set forth.

In testimony whereof I have hereunto subscribed my name to this specification in the presence of two attesting witnesses this 30th day of July, A. D. 1870.

ENOCH FARNSWORTH.

Witnesses:

JOS. R. EDSON,
C. F. CLAUSEN.