

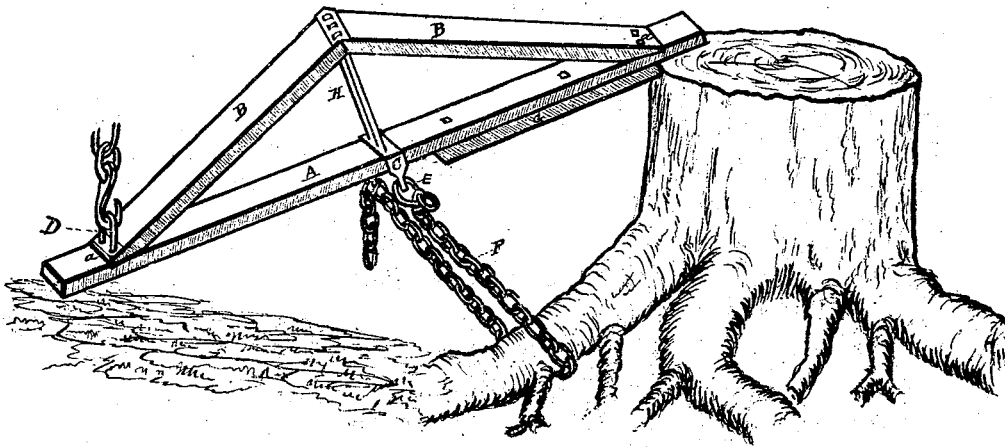
*A. D. Tilyou,*

*Stump Extractor.*

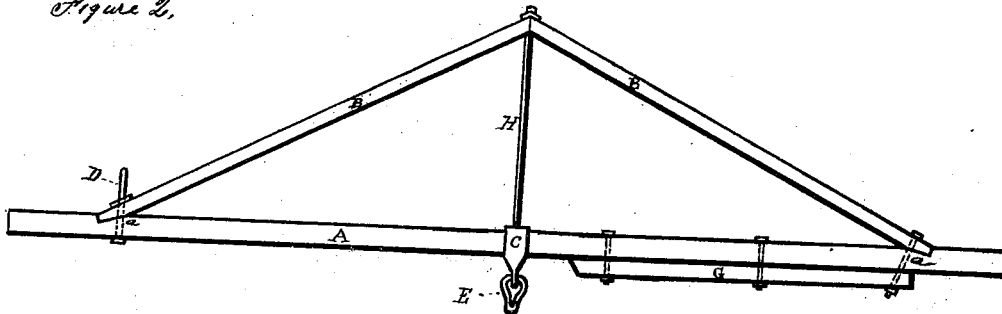
*No. 112,864.*

*Patented Mar. 21, 1871.*

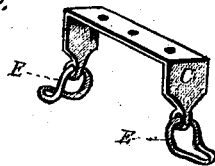
*Figure 1.*



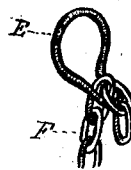
*Figure 2.*



*Figure 3.*



*Figure 4.*



*Witnesses*

*Elihu W. Miller*  
*Henry Jew*

*Inventor*

*Albert D. Tilyou*

# United States Patent Office.

ALBERT D. TILYOU, OF NORWICH, ASSIGNOR TO CORNELIUS A. CHURCH,  
OF NEW BERLIN, NEW YORK.

Letters Patent No. 112,864, dated March 21, 1871.

## IMPROVEMENT IN STUMP-EXTRACTORS.

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

I, ALBERT D. TILYOU, of Norwich, in the county of Chenango and State of New York, have invented certain Improvements in a Lever for the use of Stump-Extractors, of which the following is a specification.

### *Nature and Objects of the Invention.*

The first part of my invention relates to the application of a lever to the stump to be raised or extracted, as an auxiliary for stump-extractors, which lever may be of a single stick of wood or a truss-braced lever with wood and iron, as shown in the drawing; the truss-braced lever, however, will probably be used; the object of this part of my invention being to remove the stump-extractor at a proper distance from the stump to avoid standing on the roots of the stump, thereby saving power and facilitating the operation; also, the truss-bracing of the lever is to secure strength and avoid weight.

The second part of my invention relates to the eye or chain-holder for connecting and holding the chain, when hitched to the stump, with the lever, when in operation.

The third part of my invention relates to the combination of the several parts as applied to the stump and operated with a stump-extractor, substantially as and for the purposes set forth.

### *Description of the Accompanying Drawings.*

Figure 1 is a perspective view of my lever, as applied to the stump to be extracted, embodying my invention.

Figure 2 is a side view of the same.

Figure 3 is a perspective view of band and eye or chain-holder.

Figure 4 is a view of form of one eye and chain, showing application of the same.

### *General Description.*

A, figs. 1 and 2, is the lever, of wood, supported and strengthened with the wood truss-braces B B and the iron rods H, running through the upper ends of the braces B B, down through band C and lever A, lower

ends of braces B B, sitting in a step in the lever A, secured with bolts, as at *a*.

C, figs. 1 and 2, is a band or strap of iron, which passes partially around the lever A, near its center, perforated with holes to admit the rods H to pass through the lever A, to which the eyes E E, of iron, are connected, for holding the chain F.

D, figs. 1 and 2, is a staple, to which the chain or hook of the stump-extractor is attached for lifting or extracting the stump.

E is an eye of peculiar shape and form, which is a substitute for a hook, and retains the chain to the lever when in operation.

G is a block of wood firmly secured to the under side of the lever A, to prevent the lever A from slipping over the stump, and assists in pushing the stump when lifting the same with the lever A.

H are iron rods for holding the braces B B and lever A together.

E, fig. 4, is an eye or chain-holder, and F is a chain. The advantage of this eye is, the chain can be easily passed through the larger part of the eye as far as desired, the link of the chain then being dropped into the narrow part in an upright or vertical position, while those at each side have a horizontal or reverse position, and, the breadth of the link being greater than the width of the eye or space, causes the chain to be firmly secured in position when in operation.

### *Claim.*

I claim as my invention—

The combination and the application of the lever A, as strengthened by the truss-braces B B and rods H, and block G, and band C, with eyes E E and chain attached, operated with the power or stump-extractor applied at the staple D, substantially as and for the purposes hereinbefore set forth.

ALBERT D. TILYOU.

Witnesses:

ELEAZER R. FULLER,  
HENRY TEW.