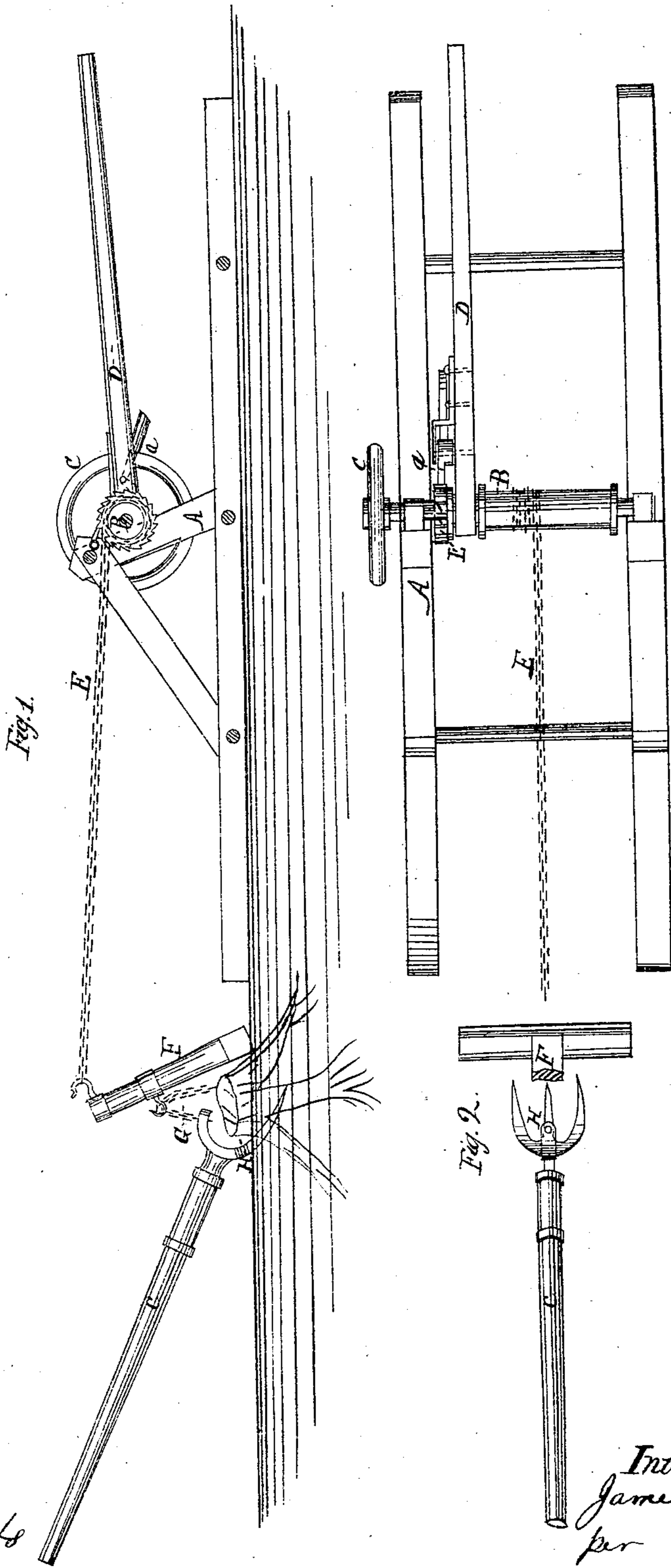


J. Elliott.

Stump-Extractor.

N<sup>o</sup> 72826

Patented Dec. 31, 1867.



Witnesses.  
Alex. F. Roberts  
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# United States Patent Office.

JAMES ELLIOTT, OF NEW YORK, N. Y.

*Letters Patent No. 72,826, dated December 31, 1867.*

## 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, JAMES ELLIOTT, of the city, county, and State of New York, have invented a new and improved Stump-Extractor; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

This invention relates to a new and improved device for extracting stumps, more especially small or medium-sized stumps, such as those of the scrub-oak, &c.

The object of the invention is to obtain a device for the purpose specified, which may be operated with the greatest facility, and admit of stumps being extracted very expeditiously. In the accompanying sheet of drawings—

Figure 1 is a side view of my invention.

Figure 2, a plan or top view of the same.

Similar letters of reference indicate like parts.

A represents the frame of the machine, constructed in any proper manner to support the working parts. B is a windlass placed on the frame A, having a hand-wheel, C, at one end of it, and a lever, D, fitted loosely on the shaft of its drum, said lever having a pawl, *a*, attached to engage with a ratchet, *b*, on the drum-shaft, the windlass or drum being turned through the medium of the lever D, in order to extract a stump, and turned through the medium of the hand-wheel C, in winding up or letting out the chain on the drum. E is the chain attached to the windlass-drum, and also attached to a "strut," F, placed at any suitable distance from the windlass. This "strut" also has a chain, G, attached to it, which is connected to a fork, H, provided with a handle, *c*, of considerable length. This fork H is thrust underneath the stump to be extracted, as shown in fig. 1, and the windlass B is turned by one or more persons, while the handle of the fork H is raised by another person, and the stump thereby extracted. The "strut," it will be seen, operates as a lever in drawing up or extracting the stump, and the operating of the fork H greatly assists the loosening and raising of the stump.

I do not claim broadly a windlass for the raising or extracting of stumps, but

I do claim as new, and desire to secure by Letters Patent—

1. The combination of the fork H with its handle *c*, with the chain G, T-shaped strut F, and windlass B, as herein described, for the purpose specified.

2. The stump-extractor constructed as described, consisting of the lever D, windlass B, hand-wheel C, chains E G, strut F, and fork H, constructed and arranged as described, whereby the fork H is depressed and the windlass operated to extract the stump, as herein shown and described.

JAMES ELLIOTT.

Witnesses:

WM. F. McNAMARA,

ALEX. F. ROBERTS.