

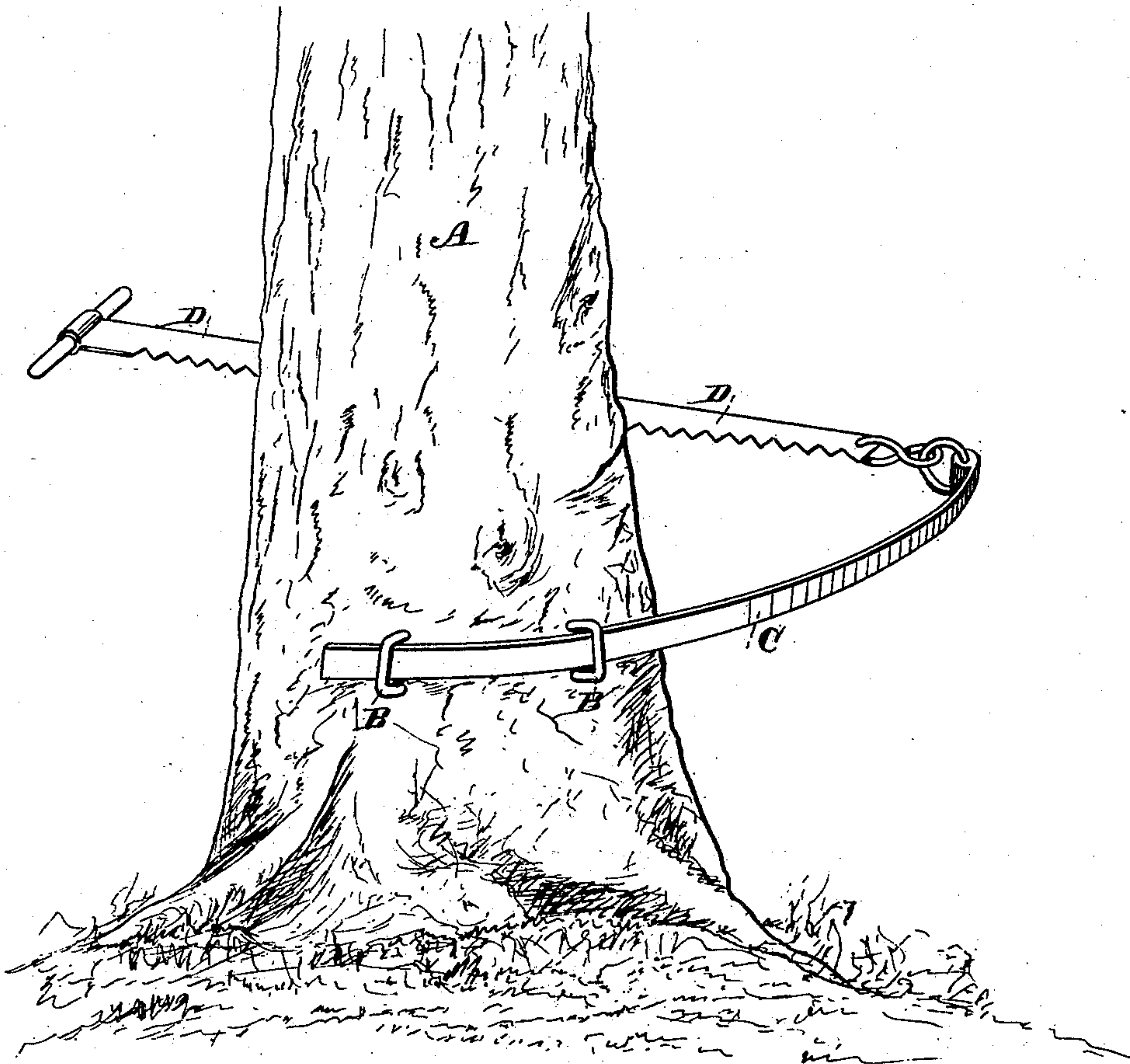
No Model.)

E. MIOBERG.

SPRING ATTACHMENT FOR SAWS.

No. 246,030.

Patented Aug. 23, 1881.



Witnesses,  
Geo. H. Strong.  
Chas. H. House.

Inventor,  
Edward Mioberg  
By Dewey & Co.  
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# UNITED STATES PATENT OFFICE.

EDWARD MIOBERG, OF CALLAHAN'S RANCH, CALIFORNIA.

## SPRING ATTACHMENT FOR SAWS.

SPECIFICATION forming part of Letters Patent No. 246,030, dated August 23, 1881.

Application filed June 16, 1881. (No model.)

*To all whom it may concern:*

Be it known that I, EDWARD MIOBERG, of Callahan's Ranch, county of Siskiyou, State of California, have invented a Spring Attachment  
5 for Saws; and I hereby declare the following to be a full, clear, and exact description thereof.

My invention relates to the class of saws, and more especially to certain improvements therein, consisting in attaching a spring thereto, and  
10 fastening said spring to the object being sawed in such a manner that the operation of said saw is rendered easy, all of which will herein-after more fully appear, reference being had to the accompanying drawing, in which the  
15 figure is a view of my invention.

Let A represent the trunk of a tree. In one side of this I drive staples, or other equivalent suitable fasteners, B B.

C is a spring, one end of which is inserted  
20 in and passed through said staples. The other end is attached to the saw D, either directly or by a chain-hinge or other joint, when some play of the saw is desirable. The saw operates on the side of the trunk opposite to the staples  
25 B B. On this account, and because of the curvature of the trunk, the spring C will be held firmly. It can be easily inserted and readily removed by drawing it in a proper direction; but the direction of the force applied to it by  
30 the operation of the saw is such as to hold it in the staples. The saw is partially made to recover itself by the power of the spring, which renders assistance in pulling it back. The

spring should be as long as the saw, and made in sizes to suit different lengths of saws.

The staples are easily inserted, and the device may be quickly put upon any tree or log, and as quickly removed. The assistance of the spring will be found material. It not only assists in drawing the saw back, but, on account  
40 of its position, it holds the saw well against the wood, and thus relieves the sawyer from much of his exertion to press the implement to its work. Its advantage is best seen in its operation upon upright timber. In such sawing it  
45 is inconvenient to press the saw in sidewise; but with this spring attachment this is accomplished. One man can thus use a long and heavy saw, which would otherwise require a man at each end.

I am aware that springs have been heretofore used to assist the operation of saws. I do not therefore claim, broadly, the use of springs in this connection; but

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

The herein-described device for sawing timber, consisting of reciprocating saw D and the spring C, one end of which is secured to the saw, and the other, by means of staples B, to  
60 the piece of timber to be sawed, as set forth.

In witness whereof I have hereunto set my hand.

Witnesses: EDWARD MIOBERG.  
EDWARD WATSON,  
J. H. ADAMS.