

(No Model.)

W. H. FINN.

CIRCULAR SAWING MACHINE.

No. 346,097.

Patented July 27, 1886.

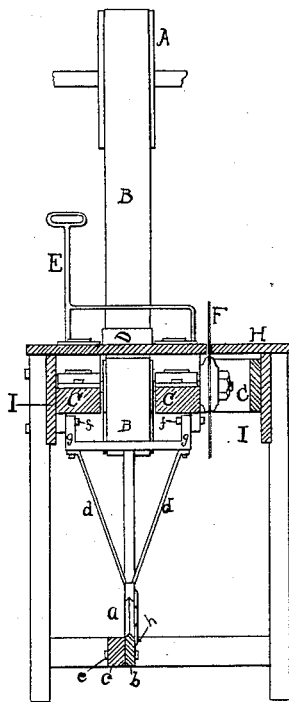


Fig. 1.

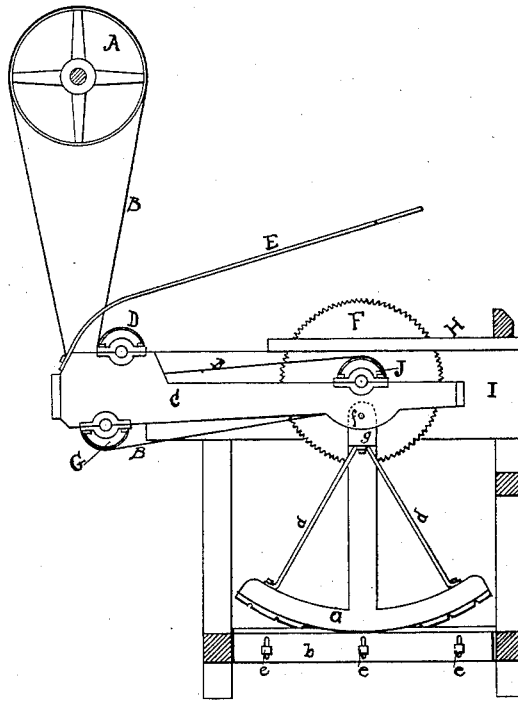


Fig. 2.

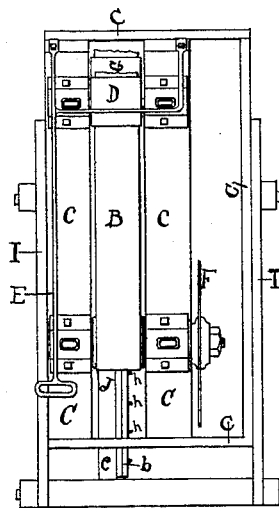


Fig. 3.

Witnesses:

Sanford Crosby  
J. H. Seiber

Inventor:  
William H Finn

# UNITED STATES PATENT OFFICE.

WILLIAM H. FINN, OF OSWEGO, NEW YORK.

## CIRCULAR SAWING MACHINE.

SPECIFICATION forming part of Letters Patent No. 346,097, dated July 27, 1886.

Application filed April 3, 1886. Serial No. 197,666. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM H. FINN, a citizen of the United States, residing at Oswego, in the county of Oswego and State of New York, have invented a new and useful Crosscut-Saw Bench, of which the following is a specification:

My invention relates to improvements in crosscut-saw benches; and it consists of an ordinary frame.

My invention consists of the arc of a circle, *a*, on track *b*, with the saw and arbor attached, and movable horizontally by the handle *E* and guided between sides of frame *I*. The pulleys *D* and *G* serve as tighteners attached to frame *C*. The frame *C* swings slightly on pins *f f*, allowing weight of frame *C* to rest on belt *B*, maintaining equal strain on belt *B* under all circumstances when the saw is moved horizontally in either direction. Pulleys *D* and *G* and saw *F*, being attached to frame *C*, are movable all together by handle *E*. The frame *C* and its attachments have horizontal motion by means of handle *E*, and also have vertical motion corresponding to the tension of belt *B*, the center of which motion is at centers *f f* of arc *a*. The arc *a*, oscillating on pins *f f* and

braced by braces *d d*, has a revolving movement on a  $\Lambda$ -shaped track, *b*, and has cross-notches cut in on one side of its lower face to fit pins *h*, connected to said track, to prevent arc *a* from slipping on track *b*.

Similar letters represent similar parts throughout.

Figure 1 represents an end view. Fig. 2 represents a side view. Fig. 3 represents a top view of my device.

I do not claim as my invention a saw frame or bench, or any one particular part thereof; but

What I do claim is—

The combination of the saw *F*, its arbor, the frame or tightener *C*, with its two pulleys hinged upon the center-pins *f f*, and the arc *a*, revolving on the same center-pins *f f* and rolling on track *b*, braced by braces *d d*, all of which connected have a horizontal motion produced by handle *E*, substantially as above specified.

WILLIAM H. FINN.

Witnesses:

SANFORD ORMSBY,  
J. H. SEEGER.