

(No Model.)

W. H. FINN.

CIRCULAR SAWING MACHINE.

No. 346,097.

Patented July 27, 1886.

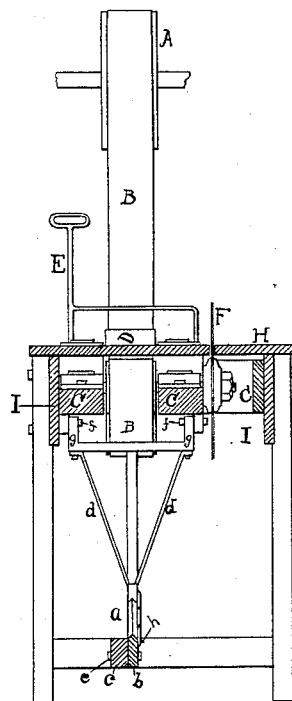


Fig. 1.

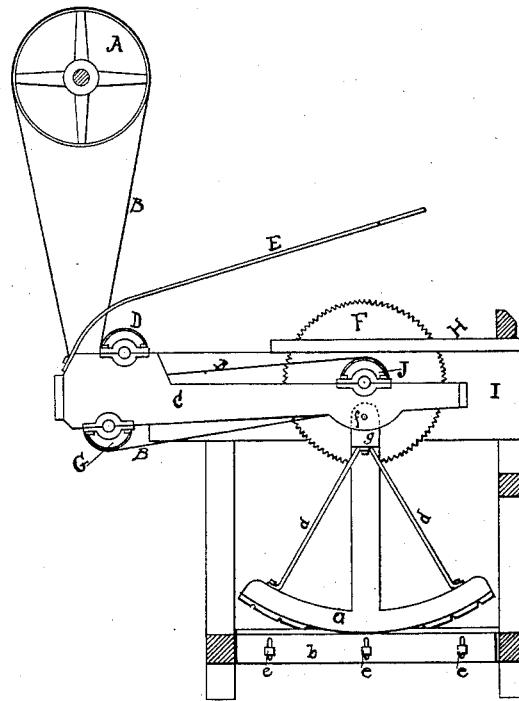


Fig. 2.

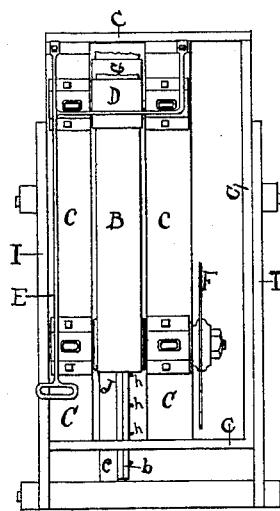


Fig. 3.

Witnesses:

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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 *A*-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*. 30

Similar letters represent similar parts throughout.

Figure 1 represents an end view. Fig. 2 35 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

40 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 45 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. SEEBER.