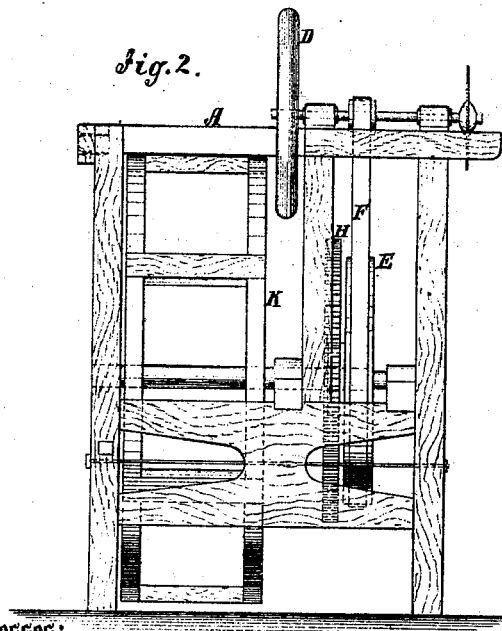
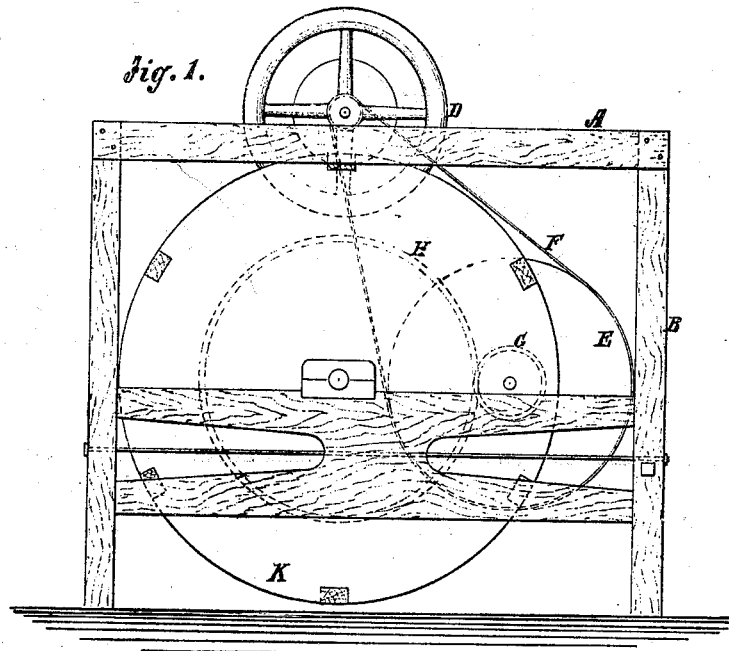


W. W. & J. M. Waterbury,

Sawing Machine.

No. 113,375.

Patented Apr. 4, 1871.



Witnesses:

A. Bennekenhof.  
Wm G. C. Smith,

Inventors:

W. W. Waterbury.  
J. M. Waterbury.

PER

*Wm. L.*  
Attorneys.

# United States Patent Office.

WILLIAM W. WATERBURY AND JOHN M. WATERBURY, OF NEW CANAAN,  
CONNECTICUT.

Letters Patent No. 113,375, dated April 4, 1871.

## IMPROVEMENT IN SAWING-MACHINES.

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

### *To all whom it may concern :*

Be it known that we, WILLIAM W. WATERBURY and JOHN M. WATERBURY, of New Canaan, in the county of Fairfield and State of Connecticut, have invented a new and improved Sawing-Machine; and we 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 drawing forming part of this specification.

This invention relates to improvements in foot-power circular-sawing machines; and

It consists in the application to a bench having the saw mounted in the usual way, and multiplying gear for increasing the motion, of a tread-wheel on the main driving-shaft for applying the power by treading thereon.

Figure 1 is a side elevation of a machine with a tread-wheel applied for driving the saw according to our improvement, and

Figure 2 is an end view of the same.

Similar letters of reference indicate corresponding parts.

A is the table, supported on a suitable frame, B.

C is the saw-arbor mounted thereon in the usual way.

D, a balance-wheel on the arbor.

E is a large driving-wheel.

F, the belt working thereon and on the pulley of the arbor.

This wheel E is driven by the pinion G and spur-wheel H, the latter being on the main driving-shaft I, whereon I propose to mount a tread-wheel, K, to be employed for driving the saw by the treading of a person thereon, and thereby provide a simple and effective machine for use in shops not having power.

Having thus described my invention,

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

The tread-wheel K, combined with spur-wheel H on same shaft, the pinion G and pulley E on a second shaft, and the balance-wheel D and rotary saw on the two ends of a third shaft, driven by belt F, when all are arranged as and for the purpose specified.

WILLIAM W. WATERBURY.  
JOHN M. WATERBURY.

Witnesses:

J. F. SILLIMAN,  
SETH C. WEED.