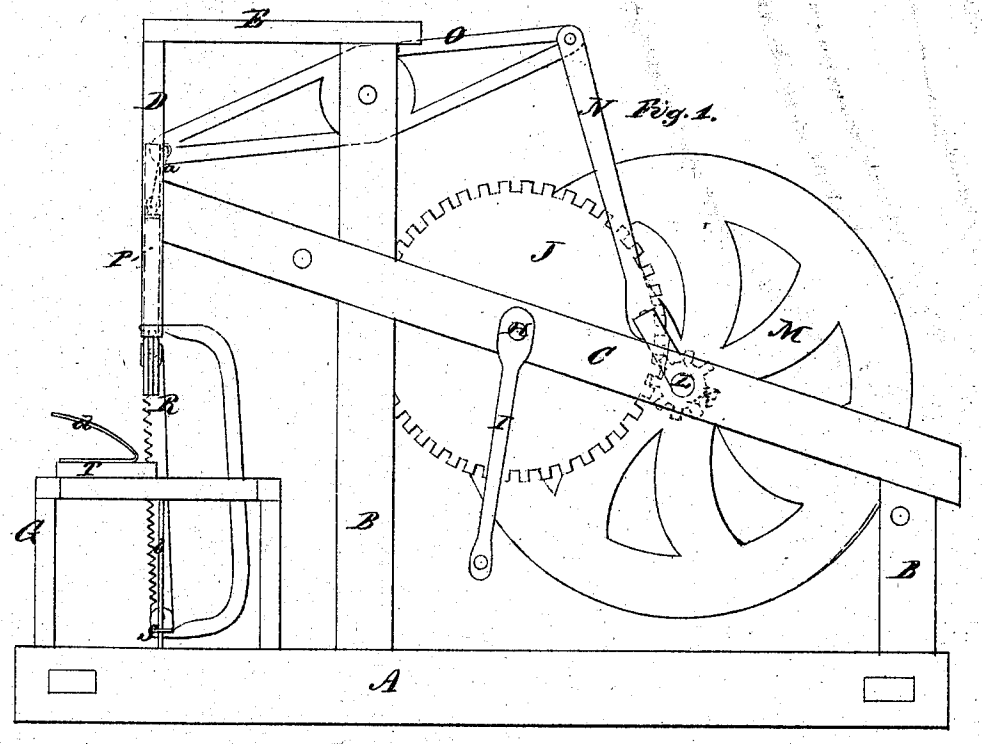
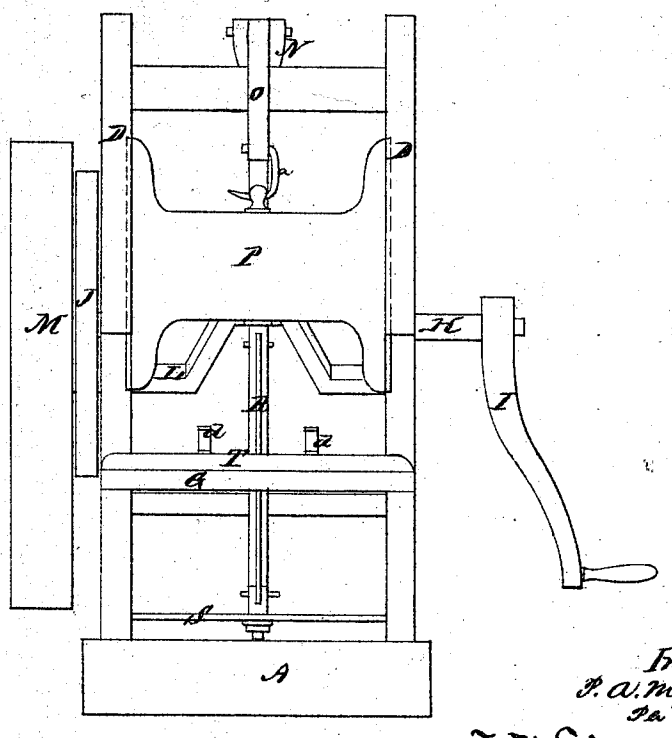
P. A. MYERS.

SAWING MACHINE.

No. 103,225. Patented May 17, 1870.




Witnesses
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# United States Patent Office.

P. ANDREW MYERS, OF ROUND HILL, PENNSYLVANIA.

*Letters Patent No.* 103,225, *dated May* 17, 1870.

## 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 I, P. ANDREW MYERS, of Round Hill, in the county of Adams and State of Pennsylvania, have invented certain new and useful Improvements in Sawing-Machines; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon, which form a part of this specification.

The nature of my invention consists in the construction and arrangement of a "sawing-machine," as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawings, in which—

Figure 1 is a side elevation, and

Figure 2 a front view of my machine.

The frame-work of my machine is very simple, being composed of a bed, A, consisting of four beams joined together in rectangular form, from which rise four posts or standards B B.

In these posts are dovetailed, or otherwise firmly secured, two inclined beams C C, to the front ends of which are fastened two vertical bars D D.

These bars are braced by the top bars E E to the front posts B B, and under said bars D D, on the bed A, is placed a table, or rather a frame, G.

In the inclined bars or beams C C, a suitable distance in rear of the front posts B B, a shaft, H, has its bearings, which shaft is, at one end, provided with a crank, I, and at the other end with a cog-wheel, J.

This cog-wheel gears with a pinion, K, upon a crank-shaft, L, which has also its bearings in the inclined beams C C, in rear of the shaft H, and has a fly-wheel, M, attached to its end.

The crank on the shaft L is, by a pitman, N, attached or connected to the rear end of a walking-beam, O, placed upon a rocking-shaft, which has its bearings in the upper ends of the front posts B B.

The front end of the walking-beam O is, by a hook, *a*, connected with a cross-head, P, which moves perpendicularly up and down in grooves upon the inner sides of the vertical bars D D of the frame.

To the under side of the cross-head P, the upper end of the saw R is attached, and the lower end of the saw is attached to a cross-bar, S, through the ends of which pass rods *b b*, said rods being fastened in the bed A and the table or frame G, guide the saw.

Upon the frame G is placed a sliding board or carriage, T, provided with two bent bars *d d*, for the purpose of holding the wood on the same while it is being sawed. This carriage is slotted for a suitable distance so as to allow the saw to pass through as far as may be necessary.

The bed A may be mounted on wheels so as to be readily moved to any place desired.

Having thus fully described my invention,

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

The frame or table G, slotted carriage T, springs *d d*, rods *b b*, saw R, cross-head P, and walking-beam O, with its connections for receiving and imparting motion, all constructed and arranged to operate as and for the purpose set forth.

In testimony that I claim the foregoing as my own, I affix my signature in the presence of two witnesses.

P. ANDREW MYERS.

Witnesses:

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