

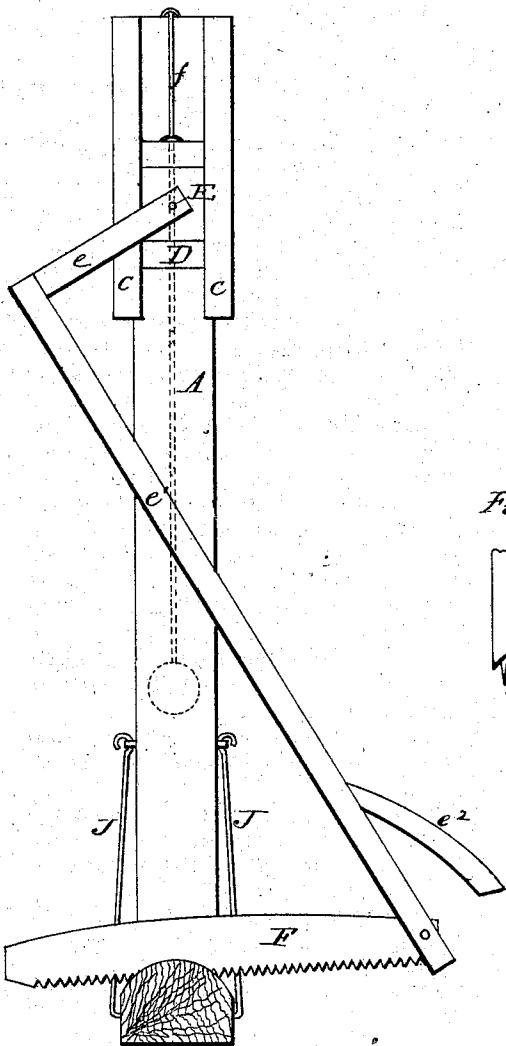
J. M. WESTMORELAND.

Sawing-Machines.

No. 137,042.

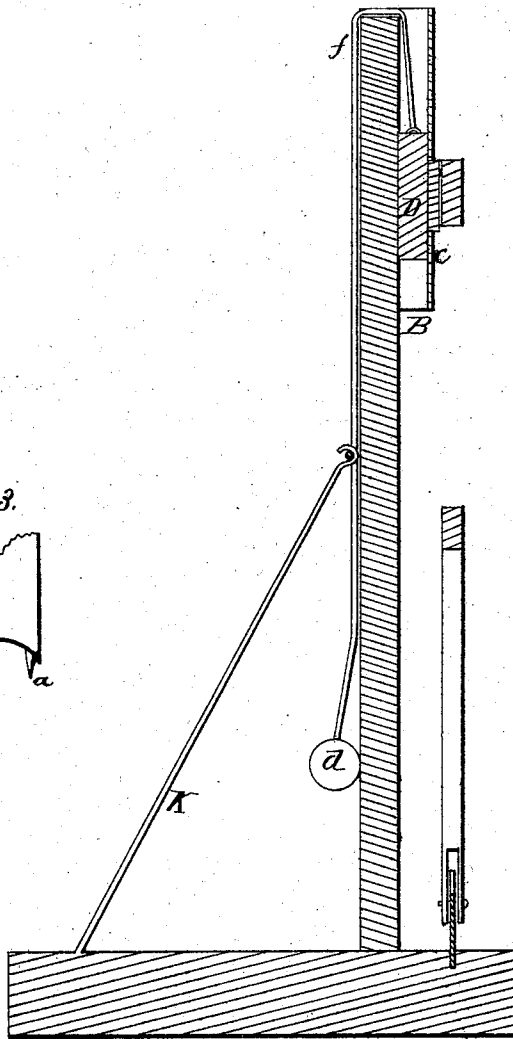
Patented March 18, 1873.

Fig. 1.



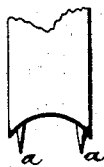
Witnesses.
A. B. Stule
Phil. C. Meas.

Fig. 2.



Inventor.
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Fig. 3.



UNITED STATES PATENT OFFICE.

JOSEPH M. WESTMORELAND, OF WILLIS, TEXAS, ASSIGNOR OF ONE-HALF
HIS RIGHT TO A. J. THOMPSON, OF SAME PLACE.

IMPROVEMENT IN SAWING-MACHINES.

Specification forming part of Letters Patent No. 137,042, dated March 18, 1873.

To all whom it may concern:

Be it known that I, J. M. WESTMORELAND, of Willis, in the county of Montgomery and State of Texas, have invented a new and valuable Improvement in Sawing-Machines; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a side view of my sawing-machine. Fig. 2 is a vertical transverse section of same.

This invention has relation to sawing-machines; and it consists in the construction and novel arrangement of the vibrating beam, vertically-sliding block, and flanged support, all substantially as hereinafter more fully described.

Referring to the drawing, A designates a scantling, about two inches by four in thickness and width, and about six feet long. To the edges of said scantling are nailed one-inch boards B, extending downward from the top a distance of two or three feet and projecting beyond the face of the scantling. To the front edges of these boards are nailed narrow strips *c c*, which, being a little wider than the thickness of the boards B, project inwardly, forming a groove or channel for a block, D, to travel through. This block slides loosely between the boards B B, while its face, which is raised, projects outwardly and slides between the edges of the pieces *c c*. The block D holds a pin, E, upon which works an arm, *e*, having attached to its end a beam, *e'*, perpendicular to it, and provided with a slot in its lower end, traversed by a pin, upon which is loosely hung the saw F. J J designate two side hooks or

dogs, hinged to the sides of the scantling near its lower end, which has a concave recess to fit over the log. The dogs are used to grasp the log, so as to brace the scantling A. A brace, K, is hinged to the back part of the scantling, and has a hook on the end to be driven into the log. This brace serves as a rear support to the scantling. To the lower part of the beam *e'* is attached a handle, *e''*, through the medium of which the saw is given a longitudinal reciprocating motion. A cord, *f*, attached to the top of the block D, passes over the top of the upright A, and has a weight, *d*, suspended at its other end. This weight is intended to hold the saw and its attachments so balanced as to avoid too much pressure on the same. The weight being suspended near the operator may be easily adjusted so as to raise or lower the guide-block D, thereby maintaining the saw in a nearly horizontal position. The base of the scantling A is armed with spikes *a*, Fig. 3, which, in adjusting the machine for operation, are slightly driven or pressed into the log, to assist in steadying the machine.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The vibrating-beam *e'*, arm *e*, vertically-sliding block D, flanged scantling A, and saw F, combined and arranged substantially as and for the purpose described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JOSEPH MARK WESTMORELAND.

Witnesses:

R. L. WOOD,

I. W. PETTWEX.