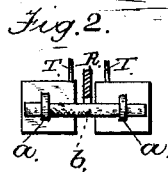
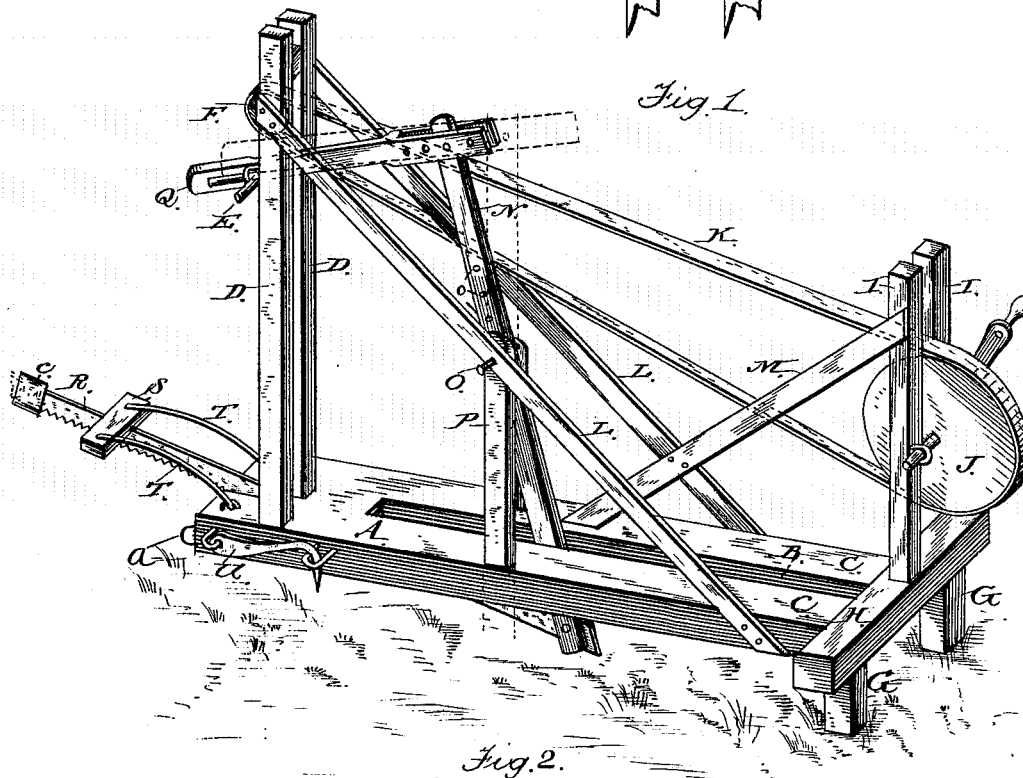
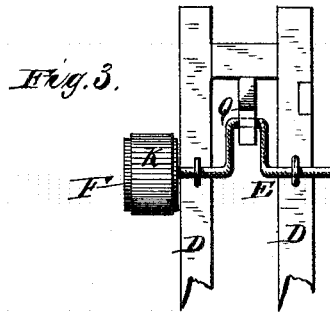


A. A. STUCKER.  
 Drag-Sawing Machine.

No. 220,443.

Patented Oct. 7, 1879.



Witnesses:  
*J. Walter Fowler*  
*J. M. Izziaga.*

Inventor;  
*A. A. Stucker*  
 By *H. E. Ellis*  
 Attorney

# UNITED STATES PATENT OFFICE.

ALEXANDER A. STUCKER, OF HARRISONVILLE, KENTUCKY.

## IMPROVEMENT IN DRAG-SAWING MACHINES.

Specification forming part of Letters Patent No. **220,443**, dated October 7, 1879; application filed May 31, 1879.

*To all whom it may concern:*

Be it known that I, ALEXANDER A. STUCKER, of Harrisonville, in the county of Shelby and State of Kentucky, have invented certain new and useful improvements in Drag-Sawing Machines; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

Figure 1 in the drawings represents a perspective view of a sawing-machine embodying the improvements in my invention. Fig. 2 is a front-end view of the base A, and Fig. 3 is a detached view of the crank-shaft and band-wheel mounted thereon.

This invention has relation to sawing-machines; and it consists in the improvements in the construction of the same, hereinafter fully described, and particularly pointed out in the claim.

Referring to the drawings, A represents the base of the frame of the machine, which is either slotted at B or made in two parts, C C. Uprights D D, rising from the base A, support a crank-axle, E, upon one end of which is a band-wheel, F.

The base A is provided with legs G G at its rear end, and from a cross-piece, H, rise inclined uprights I I, which support the driving-wheel J. A belt, K, connects the driving-wheel J with the band-wheel F. Braces L L strengthen the uprights D D, and a brace, M, strengthens the uprights I I. A lever, N, having its fulcrum at O in the support P, is connected, by a pitman, Q, with the crank-shaft E.

A crosscut-saw, R, is connected to the lower end of the lever N, and projects at the front end of the base A, as shown.

The lever N and pitman Q are each provided with a series of holes, whereby their fulcrums can be changed in order to regulate the length of the stroke of the saw.

A weighted guide, S, provided with a notch to receive the back of the saw R, is hinged by arms T T to the front of the base A.

A dog, U, is provided at the front of the base A, to be driven into the log while being sawed to hold the frame in place.

Staples *a a* are provided in the front end of the base A to receive a rod of wood, *b*, for the purpose of holding the saw in an elevated position during transportation of the machine.

A counter-balance or weight, *c*, is provided at the outer end and upon the back of the saw, to give it the required direction and to hold it to its work.

Appropriate handles are provided for conveniently transporting the machine from place to place.

From the foregoing description the operation of the machine will be obvious.

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

In a sawing-machine, the combination, with the saw and the driving mechanism, consisting of the band-wheel J, endless band or belt K, band-wheel F, and crank-shaft E, of the intermediate connecting mechanism, consisting of the pitman Q and pivoted lever N, each provided with a series of holes, substantially as and for the purpose herein shown and described.

In testimony that I claim the foregoing I have hereunto set my hand this 19th day of April, 1879.

ALEXANDER A. STUCKER.

Witnesses:

JAMES WILLIAM HEDGE,  
SAMUEL C. TINSLEY.