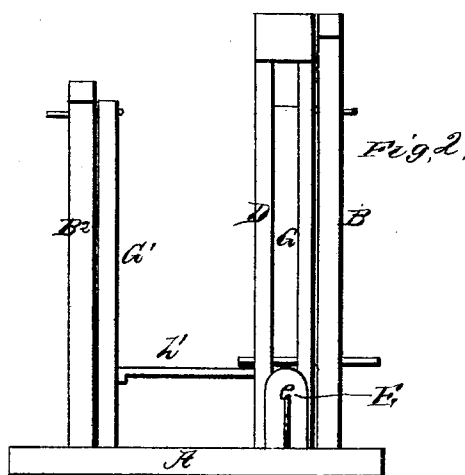
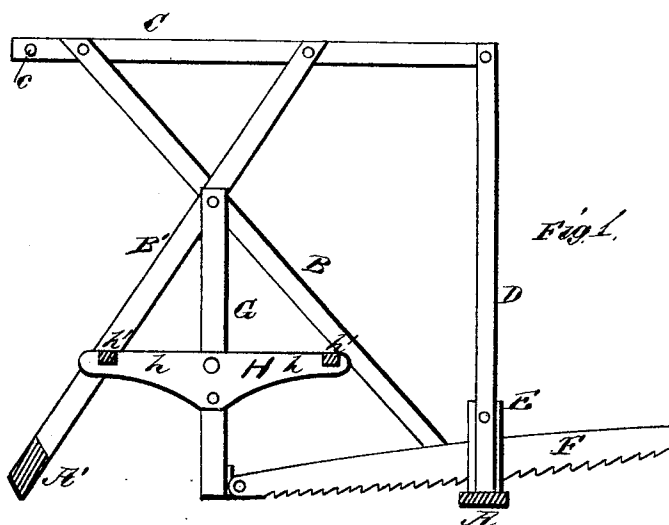


J. ACKLEY.  
SAWING-MACHINE.

No. 183,880.

Patented Oct. 31, 1976.



WITNESSES

*Wm. J. Read.*  
*George E. Upham.*

INVENTOR.

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*Gilmore Smith & Co.*

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# UNITED STATES PATENT OFFICE.

JOHN ACKLEY, OF MARTINSBURG, OHIO.

## IMPROVEMENT IN SAWING-MACHINES.

Specification forming part of Letters Patent No. 183,880, dated October 31, 1876; application filed September 9, 1876.

*To all whom it may concern:*

Be it known that I, JOHN ACKLEY, of Martinsburg, in the county of Knox and State of Ohio, 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 drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a side elevation of my machine, and Fig. 2 is a front elevation of the same.

This invention consists in a device for operating a crosscut-saw, substantially as hereinafter described and claimed.

In the annexed drawing, A A' designate the sills or bottom pieces of my device, which rest upon the ground and sustain the weight of the remaining parts of the frame. B B' designate two crossed bars or side supports, which are connected, respectively, at their lower ends to sills A A', near one end thereof. The upper ends of said crossed side supports are rigidly secured to a horizontal beam or top piece, C, which is provided on its rear end with an inwardly-extending handle, c. Said top piece C is rigidly connected in front to the top of a standard, D, which is rigidly connected at its bottom to front sill A. Secured to said standard, near the bottom thereof, is a detachable block, E, provided with a vertical slot, e, through which reciprocates a crosscut-saw, F, operated by a swinging frame, herein-after described. To the opposite ends of sills A A' are, respectively, secured two inclined and crossed side-supporting bars, B<sup>2</sup> B<sup>2</sup>, cor-

responding substantially to side supports B B', and forming the other side of the supporting-frame. One of said opposite side supports is shown in Fig. 2, front view. At the intersection of side supports B B' is pivoted thereto the upper end of a hanging arm, G, and at the corresponding opposite intersection of bars B<sup>2</sup> B<sup>2</sup> is pivoted thereto the upper end of a corresponding hanging arm, G'. Between said hanging arms G G', and oscillating therewith, is secured a swinging frame, H, composed of longitudinal pieces h h, and cross end pieces h' h'. To the lower end of hanging arm G, crosscut-saw F is pivotally connected so as to have horizontal longitudinal reciprocating motion when said hanging arm is made to oscillate backward and forward.

The operation of the device is as follows: The operator stands upon the frame H, holding handle c to steady himself, and by shifting his weight alternately forward and backward thereon, after the usual manner of swinging, he causes the hanging arm G to oscillate backward and forward with swinging frame H, thereby operating the crosscut-saw.

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

The combination of side supports B B' B<sup>2</sup> with hanging arms G G', swinging frame H, saw F, and slotted detachable block E, substantially as and for the purpose set forth.

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

JOHN ACKLEY.

Witnesses:

S. B. DODD,  
DAVID LAWMAN.