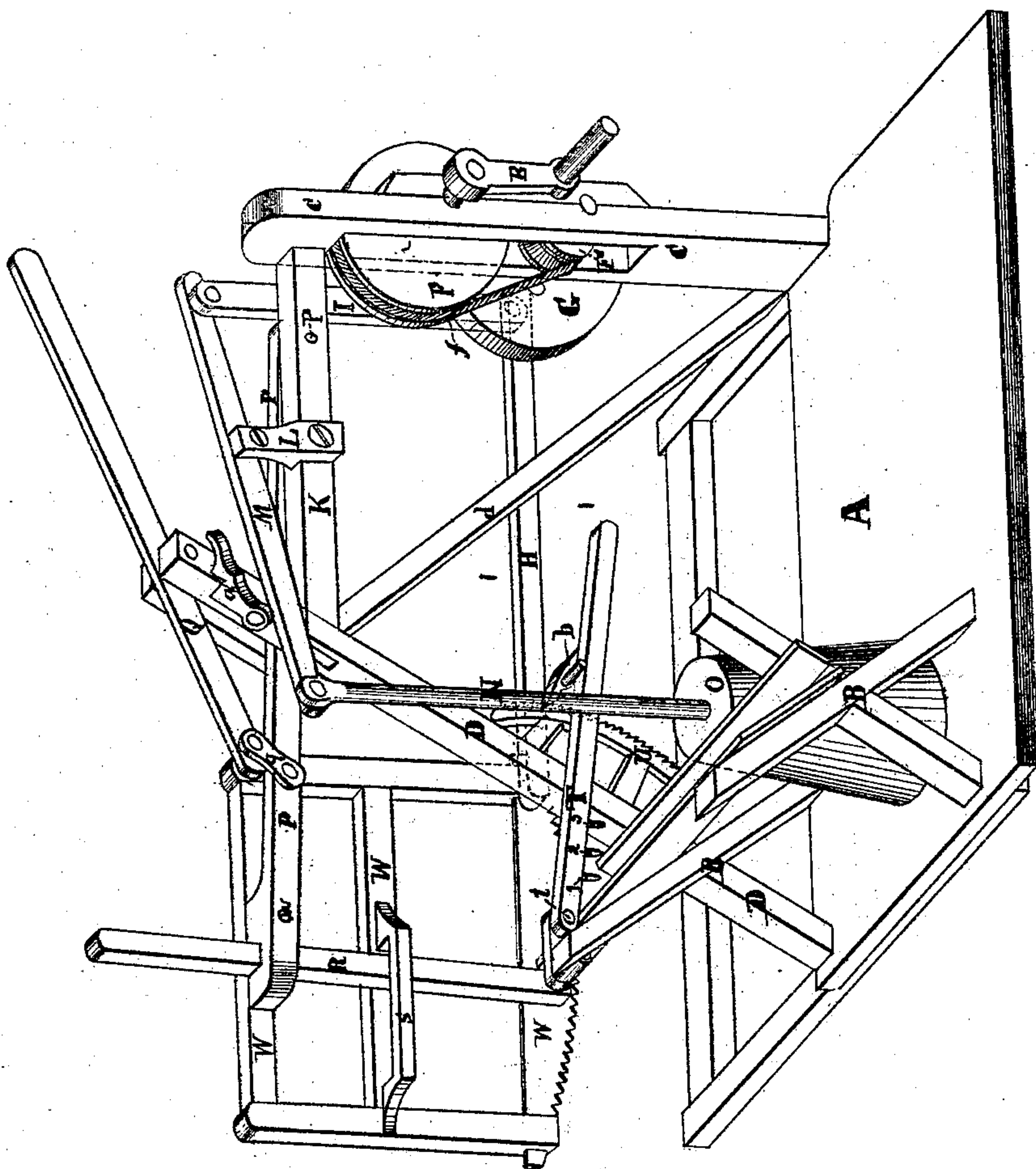


*C. W. Saladee,*  
*Sawing Machine.*  
*No. 98713.* *Patented Jan. 11. 1870.*



*Witnesses:*  
*W. Clayton*  
*J. Clayton,*

*Inventor:*  
*Cyrus W. Saladee*  
*by his attys*  
*W. Clayton & Co.*

# United States Patent Office.

CYRUS W. SALADEE, OF CIRCLEVILLE, OHIO.

Letters Patent No. 98,713, dated January 11, 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, CYRUS W. SALADEE, of Circleville, in the county of Pickaway, and in the State of Ohio, have invented a certain new and useful "Improvement in Combined Buck-Saw and Churn;" 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.

The nature of my invention consists in the arrangement of the several parts as they are hereinafter described.

To enable those skilled in the art to construct and operate my invention, I will now proceed to more fully and exactly describe its make, use, and advantages.

In the drawings—

A represents the platform, on which the "horse" B is firmly fixed, as are also the standard C and braces D *d*.

E is the crank by which hand-power is applied to drive the machine, through means of pulley-wheels F and F', connected by cord *f*, and having the bearings of their journals in the standard C, the journal of wheel F' being sufficiently long to serve as the journal of eccentric G.

On this eccentric G is a pin, to which the driving-rod H of the saw W is connected, and the connecting-rod I of the churn.

The cross-head brace K has secured to it a standard, L, having a bolt serving as a pivot for lever M.

At the forward end of this lever M, the driving-rod N, which operates the dasher of churn O, is attached.

The saw W is suspended by a bolt, *w*, serving as connecting-means between the saw-frame and lever P, lever P having its fulcrum on bolt *p*, and raised or lowered, and so raising or lowering the saw W, by the connecting-rod *q* and lever Q, which is operated by the hand of the operator of the machine, when desired.

The saw W is held in a raised position by throwing the clutch *a* under the lever P, and holding it se-

curely while a new or fresh cut is being made ready for the saw.

By the guide R, which is firmly secured at its lower end, so as not to allow any side play to the same, when acting in combination with the guide S, and the lever P, by passing through a slot in said lever, the front end of the saw-frame is kept in position.

The log-holder T is secured to the "horse" B by bolt *t*, on which it turns as a pivot, when it is necessary to adjust a log to be cut.

On the under side of log-holder T are several teeth or spikes, 1, 2, and 3, which assist the ratchet *b* and rack U in binding the log to be sawn or cut firmly to the "horse" B.

These appliances for holding the log, in connection with the guides R and S, are peculiarly adapted for rendering the action of the saw W more easy and efficient in performing the work for which it is intended.

The advantage resulting from the simplicity of construction, and in constructing the machine entirely of wood, (excepting a few bolts and screws, the saw, segmental rack, and ratchet,) is a labor-saving machine, well calculated to meet the requirements of a cheap, portable, and durable buck-saw, and also have a churning-attachment, thus saving not only labor, but both time and money.

Having thus fully described my invention,

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

The vibrating saw-frame W, with guides R and S, pivoted supporting-beam P, lever Q, and pitman H, when constructed and arranged as and for the purposes specified.

In testimony that I claim the above, I hereunto subscribe my name, on this, the 27th day of November, 1869.

CYRUS W. SALADEE.

Witnesses:

E. A. SALADEE,  
CHARLES W. SALADEE.