

WILLIAM SISSON.

Improvement in Machines for Cutting Staves.

No. 114,359.

Patented May 2, 1871.

Fig. 2.

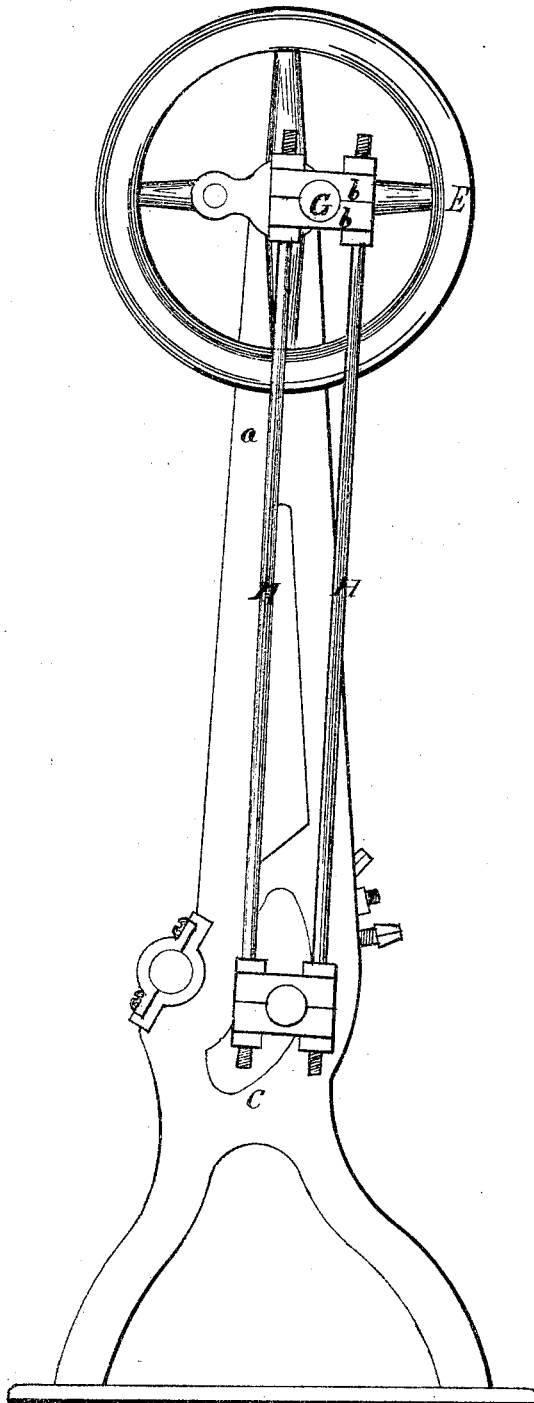
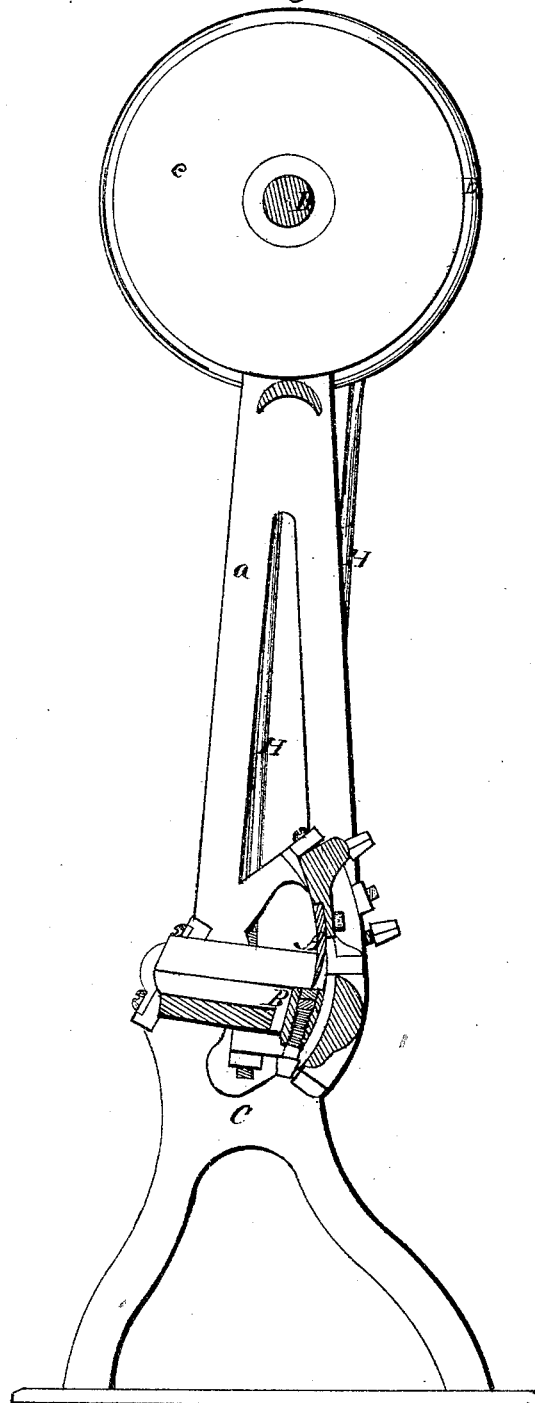


Fig. 3.



Witnesses,
D. J. Brown
E. M. New

William Sisson,
By his attorney,
J. S. Brown.

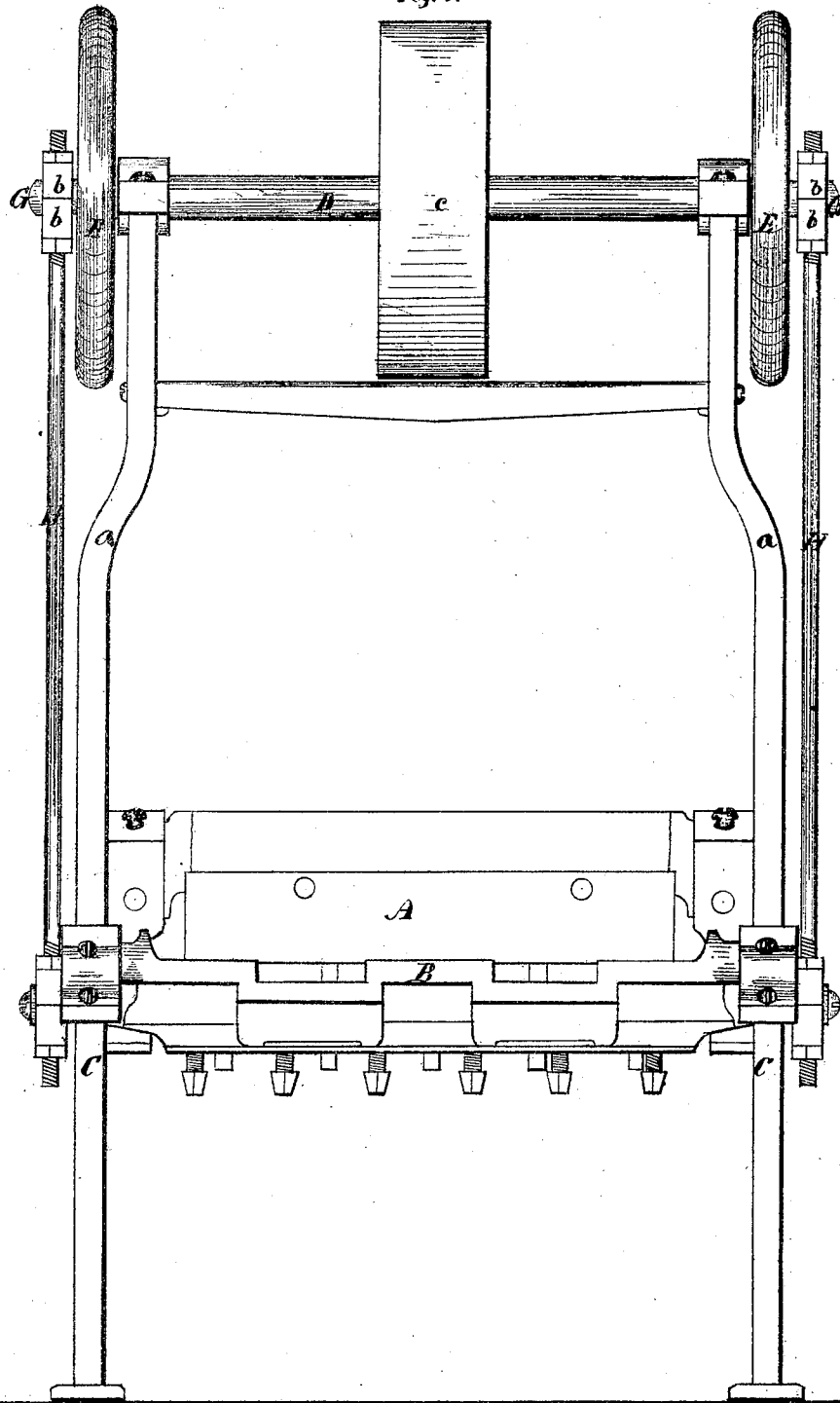
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Fig. 1.



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United States Patent Office.

WILLIAM SISSON, OF FULTON, NEW YORK.

Letters Patent No. 114,359, dated May 2, 1871.

IMPROVEMENT IN MACHINES FOR CUTTING STAVES.

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, WILLIAM SISSON, of Fulton, in the county of Oswego and State of New York, have invented a new and improved Construction of Stave-Machines; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawing making part of this specification—

Figure 1 being a front elevation of the machine.

Figure 2, a side elevation thereof.

Figure 3, a vertical section of the same in a plane cutting from front to rear.

Like letters designate corresponding parts in all of the figures.

This invention is for a machine for cutting staves, having a stationary knife, A, and vibratory bed B, on which the blocks rest, and by which they are brought to the knife, and the staves thereby are cut from them.

For the present improvement the frame C has two upright standards, *a a*, extending upward at the sides, in which the driving-shaft D is mounted at the top; and on this shaft are the balance-wheels E E, so that all the machinery is mounted in the one frame.

Two driving-cranks, G G, one at each end of the shaft D, operate the vibratory bed B through connect-

ing-rods H H, extending nearly vertically downward thereto, at the sides of the frame.

The result of this construction is that the machine occupies the least possible room; that all the wear of the connections is at the top and bottom of the crank-bearings *b b*, in which the connecting-rods are adjustable in length; that the bed B constantly hangs suspended by the connecting-rods, so that there is never any slack or loose movement, and consequently, little or no trembling or jarring of the machine, nor failure to cut the blocks completely through and separate the staves therefrom.

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

The following combination of the vibratory bed B, the upright extension-standards *a a* of the main-frame C, the driving-shaft D with its cranks mounted in the said standards directly over the vibratory bed, the adjustable-bearings *b b* of the driving-cranks and vibratory bed, and the connecting-rods H H, adjustable in the said bearings, all substantially as and for the purpose herein specified.

WILLIAM SISSON.

Witnesses:

ARVIN RICE, Jr.,
P. S. FULLER.