(12) **United States Patent**
Pinno

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(54) **SAWING WOOD**

(76) Inventor: **Joseph Jr. Pinno**

Joseph Pinner, of Hancock, New Hampshire

Letters Patent.

The Schedule referred to in these Letters Patent and making part of the same containing a description in the words of the said Joseph Pinner of himself of his improvement in the Machine for sawing wood.

To all to whom these presents shall come. Be it known that I Joseph Pinner of Hancock in the County of Grafton and State of New Hampshire, have invented a new and useful improvement in the Machine for sawing wood, denominated the balance wheel wood saw machine, and that the following is a full and exact description thereof: I make an outside frame about five feet high, and four feet square, two studs are then added one on each side of the outside frame into which and near the bottom is framed a cross piece: into the cross-piece are framed two inside studs running from it to two cross pieces at the top of the frame which run the other way set on the top cross pieces and on one side of the frame are placed three iron railings. The saw is then hung one end of a shaft, and a balance wheel and a wheel on the other end with two bearings, one near the saw and the other between the wheel and balance wheel. I then place a barriage or platform on the frame with a groove in which for the saw to run; and with two holes one on the edge, and one near the middle, which runs on the three railings, a handle or lever is then made with a groove cut for the saw to run in crooked at one end, with iron teeth near the middle to hold the wood, and hinges at the other end, and is hung on the barriage or platform on each side near the center of the saw on the barriage or platform, and under the handle or lever is placed, which is held firmly by the handle

and pressed up to the inner a casing is then made to cover the inner and is fastened to the carriage or platform. another casing is made for the balance wheels and fastened to the frame & the casings are designed for safety in using. The propelling power is applied to said Machine by a band connecting the pulleys with said power. it is to be understood that the proportions of the different parts of the Machine can be varied at pleasure. What I claim as my improvement is the combination of the handle or lever; the manner of holding down the work; the three railway on which the carriage or platform runs backward & forward, together with the general arrangement of the different parts of the whole Machine; and the application of the balance wheel to a circular saw propelled by an endless chain horse power, that kind of power being peculiarly calculated to take advantage of the head way of a balance wheel.

Witnesses
Daniel Blaisdell
Lorin Atkins.

Joseph Hiner Jr

528 Words