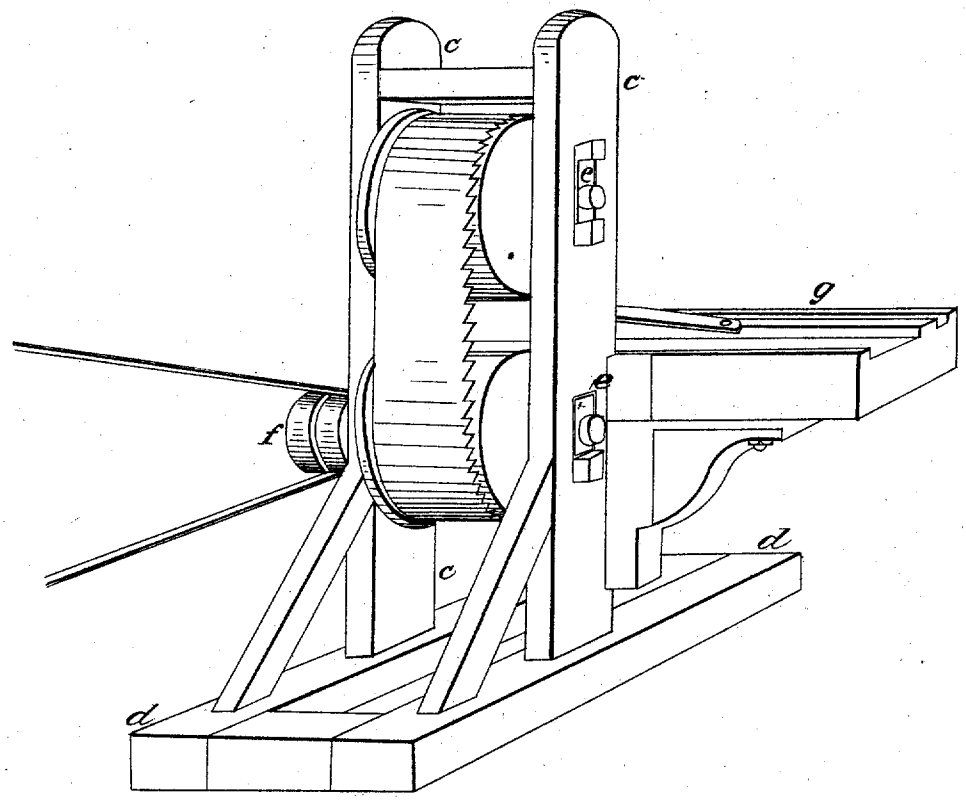
9403X

W. Cary,

Band Saw Mill.

Patented Feb. 17, 1836.



AM. PHOTO-LITHO. CO. N.Y. (OSBORNE'S PROCESS)

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Feb. 17. 1836. Ch. 12 5419

William Cary, of Poughkeepsie New York

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 William Cary, himself of his Improvement, in the Bell Saw

To all to whom these presents shall come,

Be it known that I Wm Cary of the Town of Poughkepsie in the County of Dutchess, and State of New York, have invented a new and useful method of sawing with a band saw, and the following is a full and exact description thereof and method of using it, the band saw will be made as other saws, to the length, width & thickness required, then brazed or welded at the ends to form a loop, this saw will be trained on two wheels of wood or iron of equal diameter, and to run vertically one over the other, the saw will then form two semicircles, and two straight lines, the wheels will have a flanch on one side, to project their circumference, to guard the saw from running off, and keep it to the work, the wheels when made of iron, should be covered with wood or leather for the saw to run upon, the space between the wheels will be regulated by the thickness of the material to be sawed and the thickness of the saw will give the diameter of the wheels, one the thickness of a billet saw or wood cutters saw will run on wheels of thirty inches diameter, one the thickness of a pannel saw on wheels of three feet, and one the thickness of a carpenters ripper on wheels of four feet in diameter and so in proportion, the frame in which these wheels are to operate, will be formed with two posts framed framed into two sills, and braced from them, with two rails from sill to sill, and one from post to post at the top, the length of the sills will give the length of the rails, and the

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and the axles will be as long as the wheels diameter, the boxes of the lower axle will be fixed in the post, and the axle raised up & down with wedges the upper boxes to be moved up and down in the posts by wedges to strain the saw, and balance it that it may not keep too hard against the guard nor run off on the other side. a wheel to be fixed on the lower axle on which to apply the power to drive the machine with a hook which to receive the belt when cast off, there will be a platform fixed between the wheels on which to lay the material to be sawed, supported from the posts, from this platforms will be a trammel to turn on a centre with which to saw circles, and a guide to shift by which to saw in a straight line to any width or thickness, and irregular shapes may be guided by the hand,

What I claim as my own invention and not previously known in the above described Machines, is the band saw running on two wheels, and the arrangement of the Machine in which it is to operate, In testimony whereof I have hereunto set my hand

Witnesses

A Raymond
Lewis W. Foreman

William Carey

576 Mo

A Belknap Mad C