

A. COOK.

Improvement in Machines for Cutting Staves.

No. 124,483.

Fig. 1.

Patented March 12, 1872.

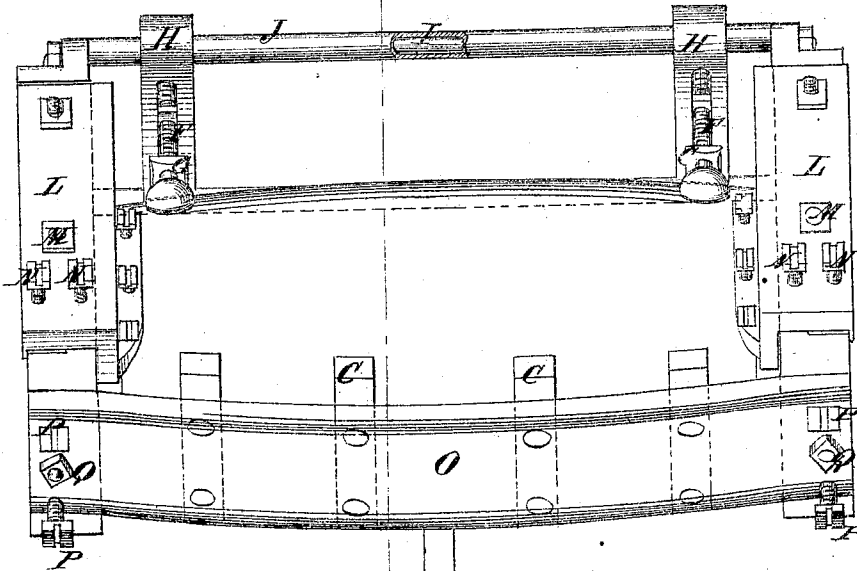


Fig. 2.

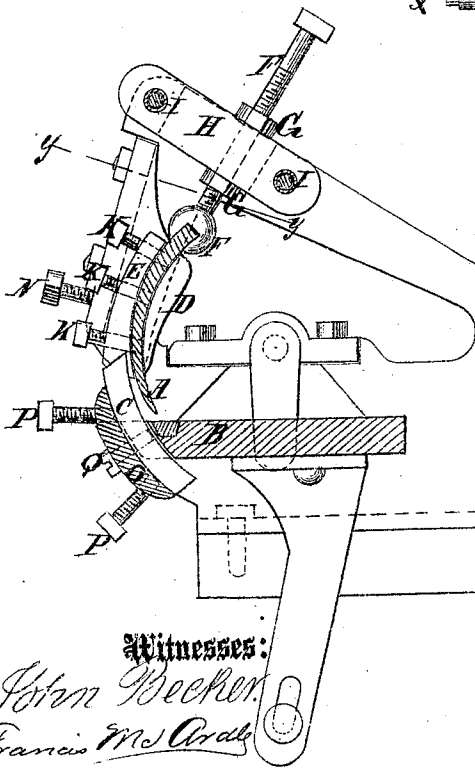
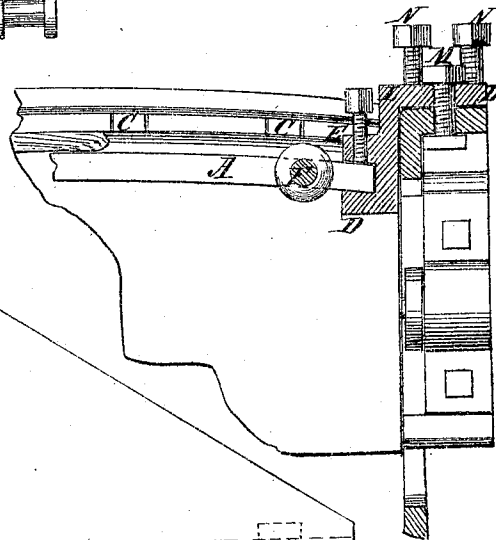


Fig. 3.



Witnesses:

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UNITED STATES PATENT OFFICE.

ADAM COOK, OF ST. CLAIR BOROUGH, PENNSYLVANIA.

IMPROVEMENT IN MACHINES FOR CUTTING STAVES.

Specification forming part of Letters Patent No. 124,483, dated March 12, 1872.

To all whom it may concern:

Be it known that I, ADAM COOK, of St. Clair borough, in the county of Allegheny and State of Pennsylvania, have invented a new and Improved Stave-Cutting Machine; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

My invention consists in the adaptation of an improved cutter to stave-machines, as herein-after fully described, and subsequently pointed out in the claim.

Figure 1 is a front elevation of the improved machine. Fig. 2 is a sectional elevation taken on the line *xx* of Fig. 1, and Fig. 3 is a section of Fig. 2 on the line *yy*.

Similar letters of reference indicate corresponding parts.

A is the cutter; B, the oscillating bed, on which the bolt is placed to be moved up to the cutter, the thickness of the stave being governed by the guides C, against which the bolts fall when the table is tilted down to let the top fall under the edge of the knife.

My invention consists, first, in providing the lugs D E on the housings or sides of the frame for the reception of the ends of the cutter, and providing the adjusting-screws F, nuts G, slotted bars H, and rods I; also, the binding-screws K for adjusting the cutter as to height and securing it in place, which I find a much more secure and reliable plan than the common one, in which the cutter is held only by bolts passing through slots in it into the frame on which it is bolted. I prefer to connect the lugs D E to the housings by means of the angle-plates I, which are employed in other ma-

chines for bolting the knife to and are secured by bolts M, and adjusted by the temper-screws N.

The second part of my invention consists in providing the plate O, to which the guides C are attached, with adjusting-screws P, in addition to the bolts Q, ordinarily used for bolting it to the frame, by which I am enabled to hold the plate firmly at some distance from the frame, so that it may be adjusted nearer to the cutter, as the guides, which are necessarily of soft metal, wear away. This mode of securing the cutter admits of removing it more readily than the common mode, especially as the rods I can be readily taken out, being fitted in tubes J, to which the slotted bars H are fastened, after which the cutter can be readily lifted up, on the binding-screws K being loosened.

The bars H are slotted to allow the rods F to move lengthwise of said rods, as they must when the cutter is shifted owing to its curvature.

I am aware of the stave-cutting machine patented in 1861 by Wm. Sisson, and desire to disclaim any and all devices therein shown and described; but

What I do esteem as new and as of my invention, and desire to protect by Letters Patent, is—

The angle-irons L, provided with lugs E D, knife A, and adjusting-screws F, when combined and arranged in the manner herein shown and described and for the purpose specified.

ADAM COOK.

Witnesses:

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