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SAMUEL PATTERSON.

Improvement in Method of Bending Wood for Round Boxes.

No. 119,240.

Patented Sep. 26, 1871.

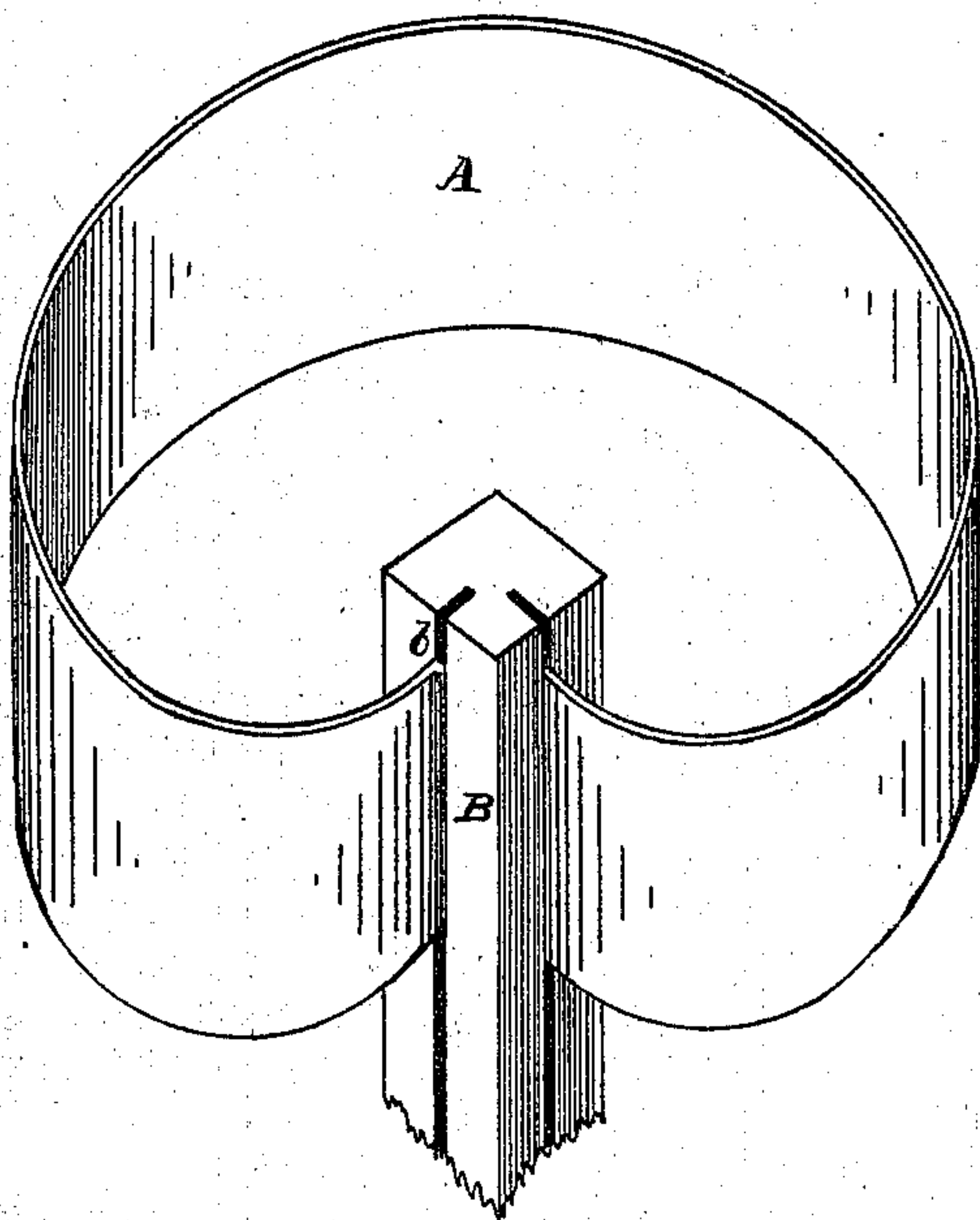


Fig. 1.

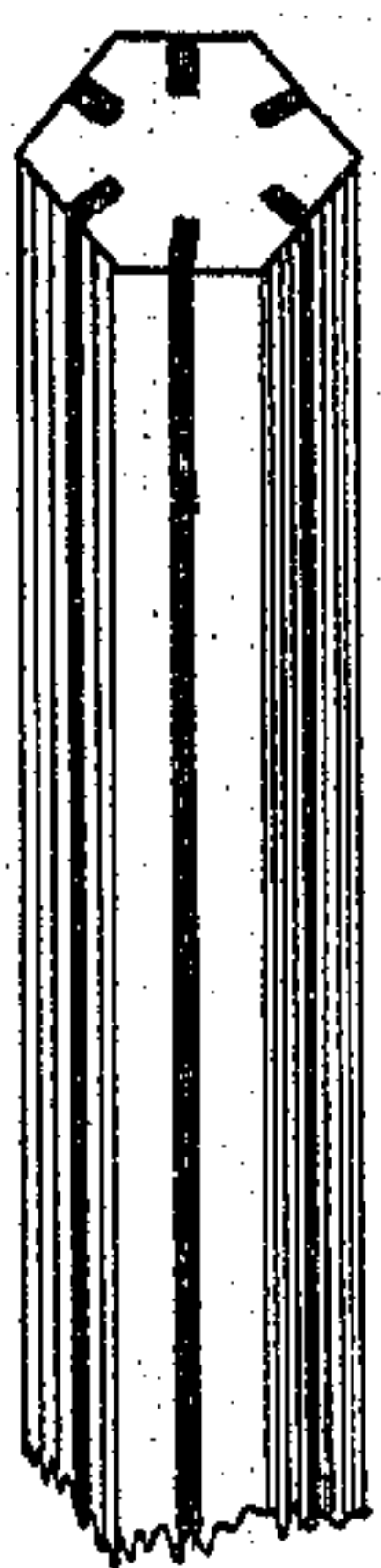


Fig. 3.



Fig. 2.

Witness.

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# UNITED STATES PATENT OFFICE.

SAMUEL PATTERSON, OF BERLIN HEIGHTS, OHIO.

## IMPROVEMENT IN METHODS OF BENDING WOOD FOR ROUND BOXES.

Specification forming part of Letters Patent No. 119,240, dated September 26, 1871.

*To all whom it may concern:*

Be it known that I, SAMUEL PATTERSON, of Berlin Heights, in the county of Erie and State of Ohio, have invented a new and useful Mode of Bending the Wood in Making Round Wooden Boxes for packing grapes and other similar uses, of which the following is a specification:

The nature of this invention relates to the bending of thin wood used in the manufacture of round wooden boxes in such a manner that when the ends of the wood are brought together and lapped the ends on the outside of the lap will lie close down, as this method of bending curves the ends of the wood more than any other part.

In the drawing, Figure 1 is a perspective view, showing a piece of wood in position, being held in the grooves in a straight stick, by which the ends will be curved more than the central part of the wood thus being clamped and held until dry, when the wood will retain its bent shape after being removed. Fig. 2 is a detached view of a square stick having grooves sawed in the sides. Fig. 3 is a similar grooved stick having six sides. These sticks may be of sufficient length to hold a large number of pieces to be bent at a time, and are made in the different forms represented, so as to allow pieces of different lengths to be bent as the pieces used in making

different-sized boxes vary in length, and require to be more or less bent, according to size.

A represents a thin piece of wood which, having been sufficiently soaked in hot water or steamed, is bent by inserting one end in a groove, *b*, cut in one side of a straight stick, B, and then bending the piece A around and inserting the other end in a groove in an opposite side of the stick; and being allowed to remain in this position until the piece has dried, it may be removed, when it will remain bent. To facilitate drying they may be placed in the sun, or if this be impracticable, they may be stood around a stove with the ends of the curved pieces toward the fire, so that the ends will be more readily dried. By thus bending the wood, when the curved ends are lapped one over the other and tacked the end of the wood will lie down closely, because the ends have been bent more than the round of the box, thus making a neater and more finished job.

I claim—

As an improvement in the manufacture of round wooden boxes, the method of bending the wood A by means of the grooved bar B, in the manner and for the purpose herein shown and described.

Witnesses: SAMUEL PATTERSON..

GEO. HESTER,  
GEO. W. TIBBITTS.

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