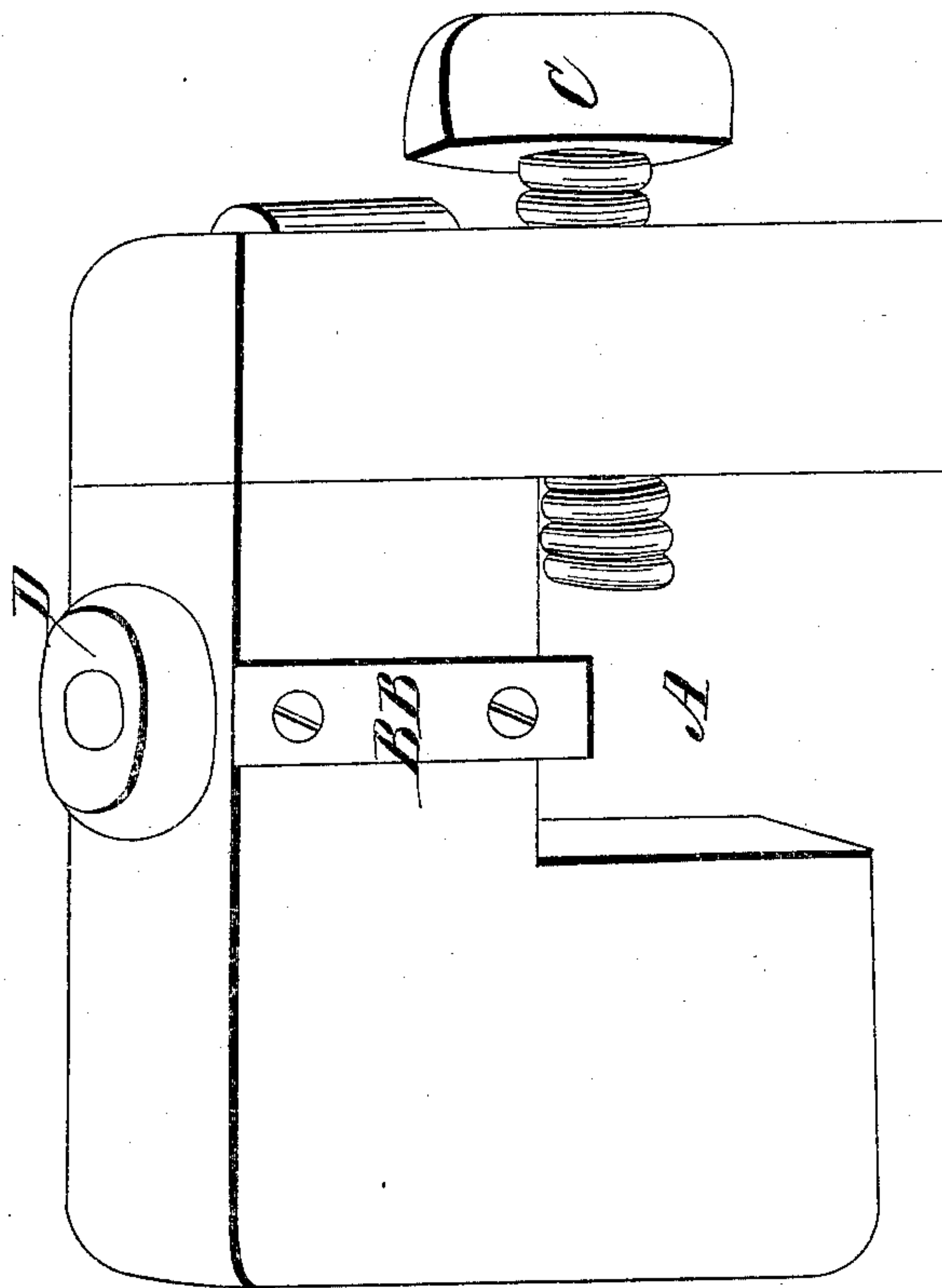


*W. C. Dean,*  
*Making Fellies.*

*N<sup>o</sup> 10,092.*

*Patented Oct. 4, 1853.*



*Witnesses:*  
*Jacob J. Helton*  
*E. M. Marshall.*

*Inventor:*  
*W. C. Dean*

# UNITED STATES PATENT OFFICE.

WM. C. DEAN, OF JACKSONVILLE, NEW YORK.

## GUIDE FOR DOWELING FELLIES FOR WHEELS.

Specification of Letters Patent No. 10,092, dated October 4, 1853.

*To all whom it may concern:*

Be it known that I, WILLIAM C. DEAN, of Jacksonville, in the county of Tompkins and State of New York, have invented a new and useful machine for the purpose of doweling, called the "Adjustable Doweling-Guide," to be used in doweling wagon-fellies, and acting as a sure guide so as to prevent the grain of the wood drawing the bit, as in the usual way of boring it is apt to do, especially if the timber is cross grained, and it also does away with the necessity of striking a center on the end of each felly, and it is so constructed as to be adjusted for any size felly, and can be used on each end of the felly by turning it simply as you pass it from one end to the other, thereby saving much time and performing the work much more accurately; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification.

The guide is constructed from a block of wood, in which is made a groove for the insertion of the end of the felly as at (A,) and on each side of said groove is a guide (B, B) and on the right hand end is a

set screw (C) for the purpose of tightening up and fastening the felly, and in the center of said groove (as at D) is a metallic tube running through for the purpose of guiding the bit when boring for the dowel. In its use and operation when the felly is prepared and ready for doweling, it is fastened in the vise with the inside up; then the doweling guide is put on with the screws at the right hand, and the top of felly coming against the upper guide; then the screw is turned up against the back side of the felly which fastens it, and the dowel hole is now bored through the tube; then loosen the screw and pass the guide to the opposite end of the felly keeping the screw at the same side as before; then pass around to the end and bore the dowel hole, the same as before.

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

The combination and arrangement of the tube, guides, and set screw for the purpose of holding the wood and guiding the bit as herein described and set forth.

WM. C. DEAN. [L. s.]

In presence of—

I. D. FELTHOUSEN,  
E. M. MARSHALL.