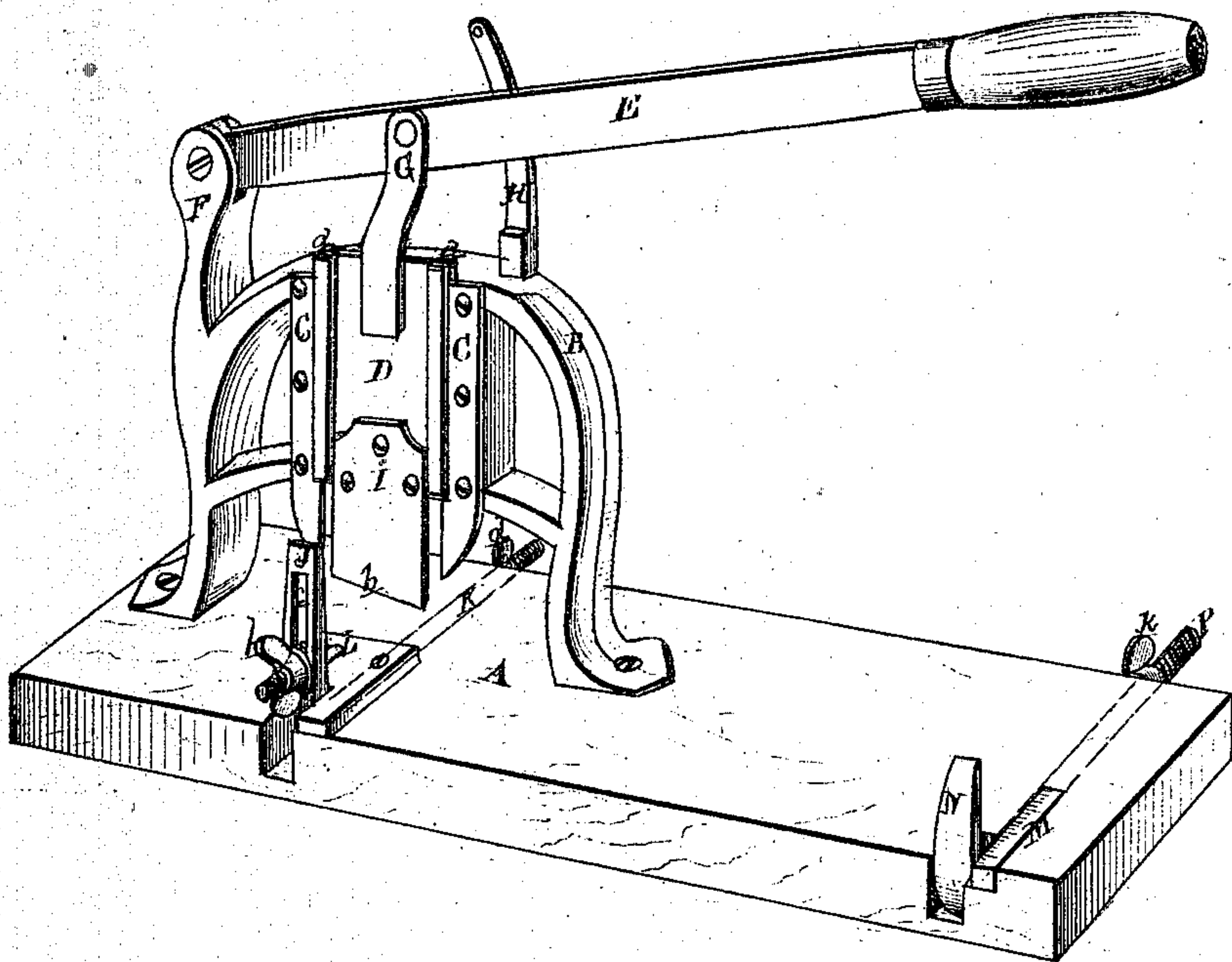


*A. F. Gue,*

*Tenoning Machine.*

*No. 104,582.*

*Patented June 21, 1870.*



ATTEST

*Samuel J. Sprague*  
*Frederick Everts*

INVENTOR

*Albert F. Gue.*  
*Per Attorney*  
*Thos. J. Sprague*



# United States Patent Office.

ALBERT F. GUE, OF EASTMANVILLE, MICHIGAN.

Letters Patent No. 104,582, dated June 21, 1870.

## IMPROVEMENT IN MACHINE FOR CUTTING BEVELS ON THE TENONS OF SPOKES.

The Schedule referred to in these Letters Patent and making part of the same.

### *To whom it may concern:*

Be it known that I, ALBERT F. GUE, of Eastmanville, in the county of Ottawa and State of Michigan, have invented a new and useful Improvement in Machine for Cutting Bevels on Spoke-Tenons; and do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon, and being a part of this specification.

The nature of this invention relates to the construction of a machine for cutting the necessary bevels upon the tenons of spokes for wheel vehicles, whereby the necessity of "laying out" the work is avoided, and much time saved and labor economized.

The invention consists in a proper frame, secured to a bed, and provided with a reciprocating sash, which receives motion from a lever, said sash being provided in turn with a suitable knife, and in providing the bed with suitable gauges and a scale, by means of which the bevel is determined, and the spoke held in place while being operated upon, as more fully hereinafter described.

In the accompanying drawing—

A represents a bed, to which is secured the frame B, which is provided with slides, C, between which the sash or gate D has a vertical motion, derived from the handle or lever E, which is pivoted to the standard F, and connected with said sash by the strap G.

A guide, H, projects above the top of the frame in the rear of the lever, the latter being provided with a loop or hook upon its rear side, to embrace said guide.

The sash D engages with the slides C by means of grooves, *a*, in its sides, as shown, and has secured to it, by any suitable means, the knife I, with a diagonal cutting-edge, *b*, for the purpose of giving a drawing cut.

J is a vertical guide, provided with a slot, *c*, and is

rigidly secured at its lower end, and at right angles therewith, to the bolt K, which passes through the bed, as shown in dotted lines, and which is provided with a thumb-nut, *d*. Changes in the position of this guide enable the operator to adapt it to any desired width of tenon.

L is a horizontal guide or catch, which, by means of the bolt and thumb-nut *h*, has a vertical movement in the slot *c*, and is designed to admit any required thickness of tenon, and prevent the spoke from turning while being operated upon by the knife.

M is a graded scale, inserted in the face of the bed, for the purpose of determining the desired bevel to be given to the tenon.

N is another vertical guide, rigidly secured at its lower end, and at right angles therewith to the bolt P, shown in dotted lines, which passes through the bed, and which is provided with thumb-nut *k*. Changes in the position of this guide enable the operator to hold the spoke in the desired position, relative to the graded scale, to receive the required bevel from the knife.

The operation of this machine has been so fully set forth that a further description is deemed unnecessary.

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

The spoke-beveling machine, constructed substantially as described, wherein the bed A, frame B, slides C, sash D, lever E, guides H J L N, knife I, and scale M, are arranged and operate substantially as and for the purposes herein specified.

ALBERT F. GUE.

Witnesses:

HERBERT S. TAFT,  
WM. J. SMITH.