

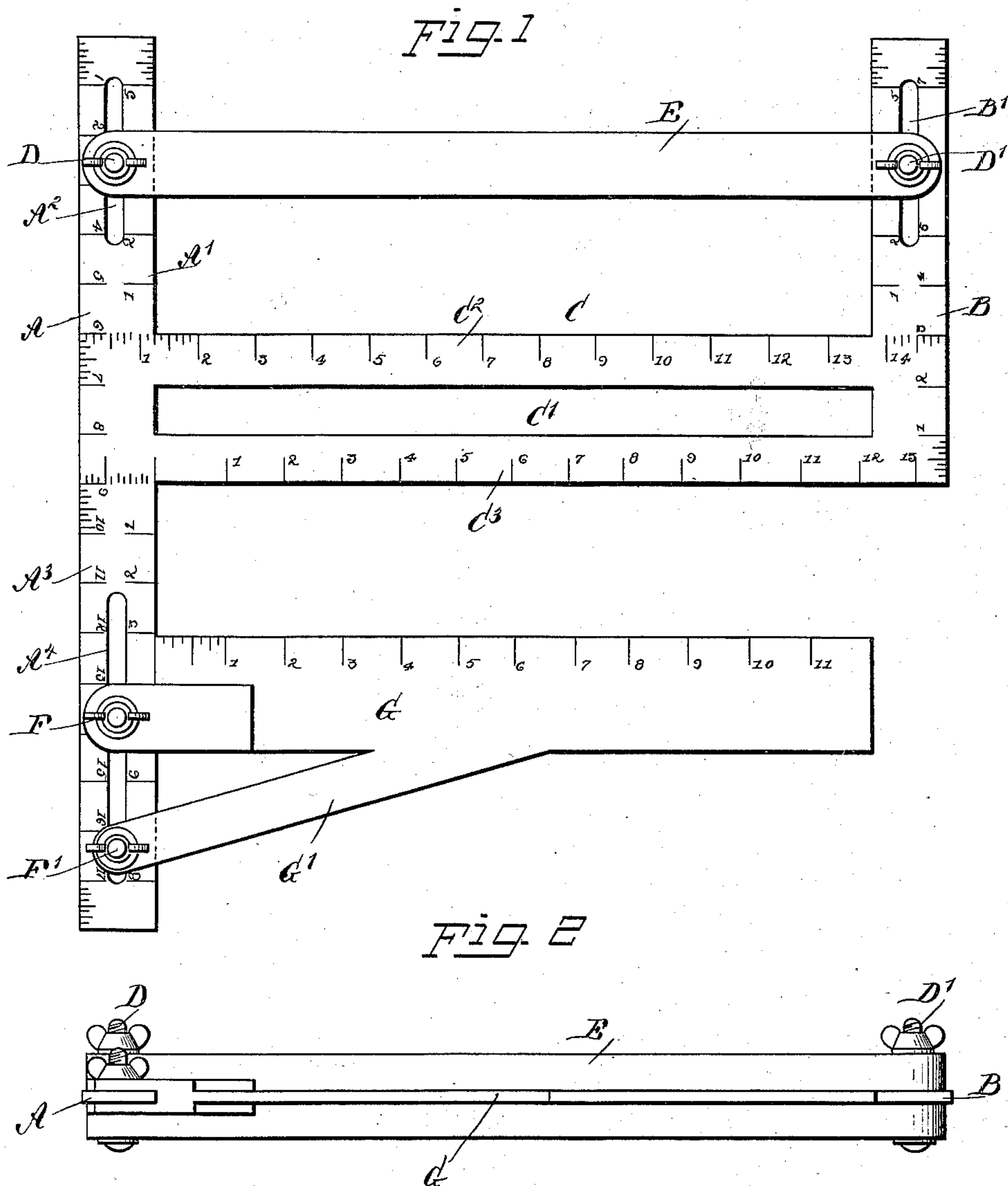
No. 612,690.

Patented Oct. 18, 1898.

J. H. WHITE.  
FRAMING SQUARE.

(Application filed Jan. 18, 1898.)

(No Model.)



WITNESSES:

J. A. Brophy  
Rev. G. H. White

INVENTOR

J. H. White  
BY Munn & Co.

ATTORNEYS.

# UNITED STATES PATENT OFFICE.

JAMES H. WHITE, OF ANSONIA, OHIO.

## FRAMING-SQUARE.

SPECIFICATION forming part of Letters Patent No. 612,690, dated October 18, 1898.

Application filed January 19, 1898. Serial No. 667,164. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES H. WHITE, of Ansonia, in the county of Darke and State of Ohio, have invented a new and Improved Framing-Square, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved framing-square arranged to permit a carpenter or other person to conveniently, accurately, and quickly lay out mortises, tenons, or the like either on the top, side, or bottom of the timber without requiring turning of the latter.

The invention consists of novel features and parts and combinations of the same, as will be fully described hereinafter and pointed out in the claim.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in both figures.

Figure 1 is a plan view of the improvement, and Fig. 2 is an end view of the same.

The improved framing-square is provided with two side arms A and B, rigidly connected with each other by a mortise-and-tenon bar C, preferably formed with a rectangular aperture C' one inch in width to leave side arms C<sup>2</sup> C<sup>3</sup>, likewise one inch in width, so that the two can be used for laying off one-inch, two-inch, or three-inch mortises and tenons, the edges of the arms C<sup>2</sup> and C<sup>3</sup> serving to lay off one-inch tenons and mortises, the inner edge of the arm C<sup>3</sup> and the outer edge of the arm C<sup>2</sup> for two-inch mortises and tenons, and the outer edges of both arms C<sup>2</sup> C<sup>3</sup> for three-inch mortises and tenons.

The side arm A extends on both sides of the bar C, the upper member A' being formed with an elongated slot A<sup>2</sup>, adapted to be engaged by a clamping-screw D, held on a head E, provided on its other end with a similar clamping-screw D', engaging a slot B', formed in the other arm B, the said slots A<sup>2</sup> and B' being parallel to each other to permit of adjusting the head E toward or from the bar C and parallel thereto. The lower member A<sup>3</sup> of the arm A is formed with an elongated slot A<sup>4</sup>, adapted to be engaged by a clamping-screw F, held on a gage-plate G, provided with a brace G', carrying a clamping-screw F', like-

wise engaging the slot A<sup>4</sup>. The gage-plate G extends at a right angle to the arm A and parallel to the bar C, and, like the head E, is adjustable toward or from said bar C, according to the width of the timber on which the device is used.

The several arms A and B, the bar C, and the gage-plate G are graduated in linear measurement, (with inches and subdivisions,) as is plainly shown in Fig. 1, to facilitate adjustment of the parts according to the size of the timber under treatment. Thus if the device is used for seven-inch timber, for instance, and two-inch mortises and tenons then the inner edge of the head E is set two inches from the outer edge of the arm C<sup>2</sup> and the gage-plate G is set two inches from the outer edge of the arm C<sup>3</sup>. The tenons, as well as the mortises, can now be laid out on the timber by abutting the head E on one side thereof and drawing the mortise-and-tenon lines along the outer edge of the arm C<sup>2</sup> and the inner edge of the arm C<sup>3</sup>.

When the device is set as described, it can be readily used for laying off one, two, or three inch mortise two inches from the edge of the timber and any desired length. For three-inch mortise lines are drawn along the outer edges of the arms C<sup>2</sup> C<sup>3</sup>. For a one-inch mortise lines are drawn along the inner edges of the arms C<sup>2</sup> C<sup>3</sup>.

The head E is adjustable to lay off the mortise any desired distance from the edge or corner of the timber, it being understood that when the device is used the head abuts against the adjacent face or the end of the timber. The head E permits of readily sliding the framing-square along over the side of the timber on which the mortise is to be marked, it being understood that the lines for the length of the mortise are drawn along the outer edge of the arm A. The gage-plate G and the head E are adjusted so as to remain parallel at all times with the mortise-bar C.

Having thus fully described my invention, I claim as new and desire to secure by Letters Patent—

A framing-square, comprising a graduated bar for laying off a tenon and mortise, a graduated side arm extending at a right angle from one end of the tenon-and-mortise bar and



in an opposite direction therefrom, a second  
side arm on the other end of the bar and par-  
allel with the first side arm, a head adjustably  
held on the said arms parallel to the said bar  
5 and on one side thereof, and a gage-plate ad-  
justably held on the first-named bar and  
parallel with the other side of said tenon-and-

mortise bar, substantially as shown and de-  
scribed.

JAMES H. WHITE.

Witnesses:  
H. A. SNORF,  
J. C. SMITH.