G. H. BRADSHAW.

BEVELS.

No. 182,551. Patented Sept. 26, 1876.

Fig. 1

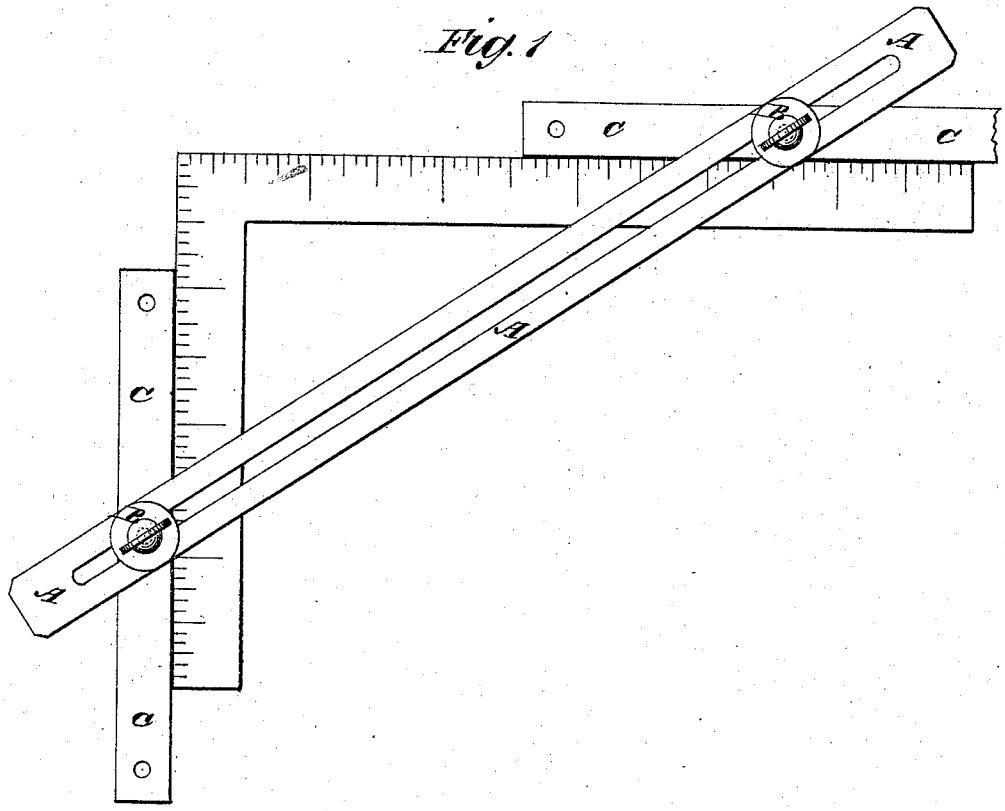
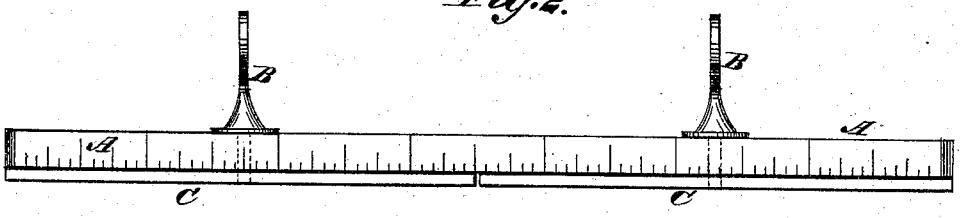


Fig. 2.



WITNESSES:

Francis Mc Ardle.

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BY

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GEORGE H. BRADSHAW, OF FAYETTEVILLE, TENNESSEE.

IMPROVEMENT IN BEVELS.

Specification forming part of Letters Patent No. **182,551**, dated September 26, 1876; application filed July 31, 1876.

To all whom it may concern:

Be it known that I, GEORGE HAMILTON BRADSHAW, of Fayetteville, in the county of Lincoln and State of Tennessee, have invented a new and useful Improvement in Instrument for Getting the Bevels and Length of Rafters, Braces, &c., of which the following is a specification:

Figure 1 is a plan view of my improved instrument, illustrating its use. Fig. 2 is a side view of the same.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved instrument for getting the length of rafters and the bevels of their ends, when the width of the building and the desired pitch of said rafters are known, and which may also be used for getting the length and the bevels of the ends of braces, and for other similar uses.

The invention will first be described in connection with drawing, and then pointed out in the claim.

A represents a bar, upon the edge of which is formed a scale of division-marks, numbered to represent the length of the rafter or brace, and which should be made upon a scale of an inch to the foot to make it correspond with the division-marks of an ordinary square. The bar A is slotted longitudinally to receive the clamping-screws B, which are screwed into straight bars C placed upon the lower side of said bar A, as shown in Figs. 1 and 2. In using the instrument the bar A is laid diagonally across the arms of an ordinary square, and is adjusted upon the long arm of the square at a point representing the half width of the building, and upon the short arm at a point representing the desired pitch of the rafters. The bars C are then adjusted against the edges of the arms of the square, and are clamped in place by the screws B. The instrument is now set to give the length of the rafters and the bevels of their ends. The instrument may be used without a square, by having lines drawn upon the under side of the bar A, to represent the different positions of the bars C, for different lengths and pitches of rafters.

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

A carpenter's instrument for getting the bevel and measurement of braces and rafters, consisting of an angled scale-bar, longitudinally slotted-bar A, screws B B, and the corresponding bars C C, as shown and described.

GEORGE HAMILTON BRADSHAW.

Witnesses:

C. S. WILSON,

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