

L. BAILEY.

Improvement in Adjustable Try-Squares.

No. 114,634.

Patented May 9, 1871.

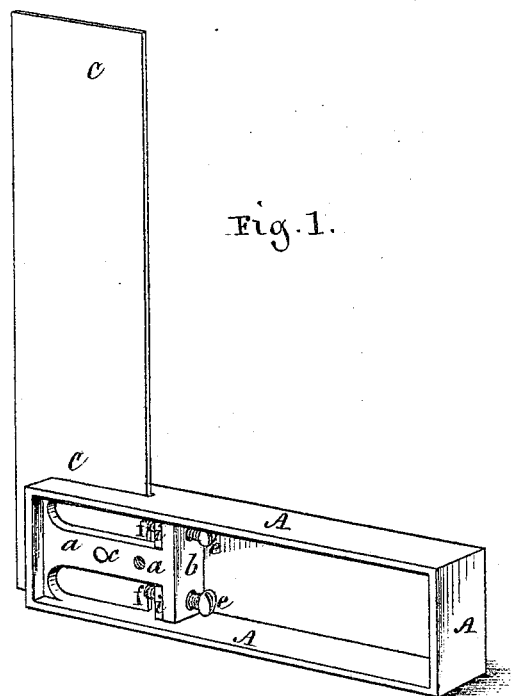


Fig. 1.

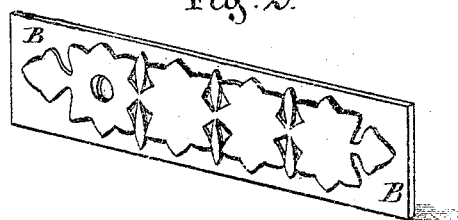


Fig. 2.

Witnesses
Henry M. Lygatt
Edmund Masson.

Leonard Bailey.
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United States Patent Office.

LEONARD BAILEY, OF NEW BRITAIN, CONNECTICUT.

Letters Patent No. 114,634, dated May 9, 1871.

IMPROVEMENT IN ADJUSTABLE TRY-SQUARES.

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

To all whom it may concern:

Be it known that I, LEONARD BAILEY, of New Britain, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Adjustable Try-Squares; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings making a part of this specification, in which—

Figure 1 represents a perspective try-square, with the cap or cover removed to show the arrangement of the adjusting devices within the body of the square; and

Figure 2 represents in perspective the cap or cover separated from the body of the square.

I am aware that many devices have been essayed for adjusting the blade of a try-square to the body thereof, and among them set-screws bearing against a long right-angled projection attached to the blade, but from their complicated nature, expense, or uncertainty of holding their adjustment, they have failed to go into general use, though a much-desired instrument. I have succeeded in making a cheap and reliable adjustment of try-square blades, and of simple structure; and

My invention consists in casting or otherwise rigidly fastening within the recess or box of the stock or body of the try-square walls or partitions, to which the blade is pivoted, and by means of two screws in or through which, and bearing against said blade on opposite sides of the pivot, the blade may be set and held in any desired position with regard to said stock or body, as will be explained.

To enable others skilled in the art to make and use my invention, I will proceed to describe the same by reference to the drawings.

A represents the body or stock of the try-square, which may be of cast metal, and hollow or of a box form, so as to readily reach the interior for the purposes of adjustment; and

B represents a cover for inclosing the box, which cover sits down neatly within the sides and ends of

the stock, and may be held by a screw or screws or any other suitable and controllable fastening.

Within the hollow space of the body or stock A are cast or otherwise securely fastened the walls or partitions *a b*, and in a suitable slot in one end of said stock is fitted the blade C, which is pivoted or riveted by a pin, *c*, passing through the wall or partition *a* and the back of the stock A, and so that said blade may have a slight movement on said pin sufficient for its "set" or adjustment, but be firm laterally.

Through the wall or partition *b* are passed two set-screws, *e e*, one on each side of the plane of the pivot or pin *c*, the points of said set-screws bearing against the edge *f* of the blade C, so that, by backing one screw and running up the other one, the blade may be moved on its rivet or pin and be firmly held at the desired position.

The screws *e e* pass freely through the wall or partition *b*, and their threads work in threaded nuts *i i*, between said wall and the edge *f* of the blade C, the points of the screws pressing against said edges. The screws thus placed bear against each other, and so prevent each other from turning or becoming loose.

By these devices the blade may be adjusted, or set, and firmly held when so adjusted, or reset at pleasure, the screws acting like jam-nuts to each other to prevent them from turning or becoming loosened by jar-rings or otherwise.

Having thus fully described my invention,

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

In combination with a recessed stock A, with its cover and walls or partitions *a b*, and the blade C, fitted therein, the set-screws *e e*, passing loosely through the wall *b* and then through the screw-nuts *i i* and against the edge of the blade C, by which said blade may be adjusted and then firmly held to said stock in its adjusted position, as described and represented.

LEONARD BAILEY.

Witnesses:

MERRITT BRONSON,
HENRY NASH.