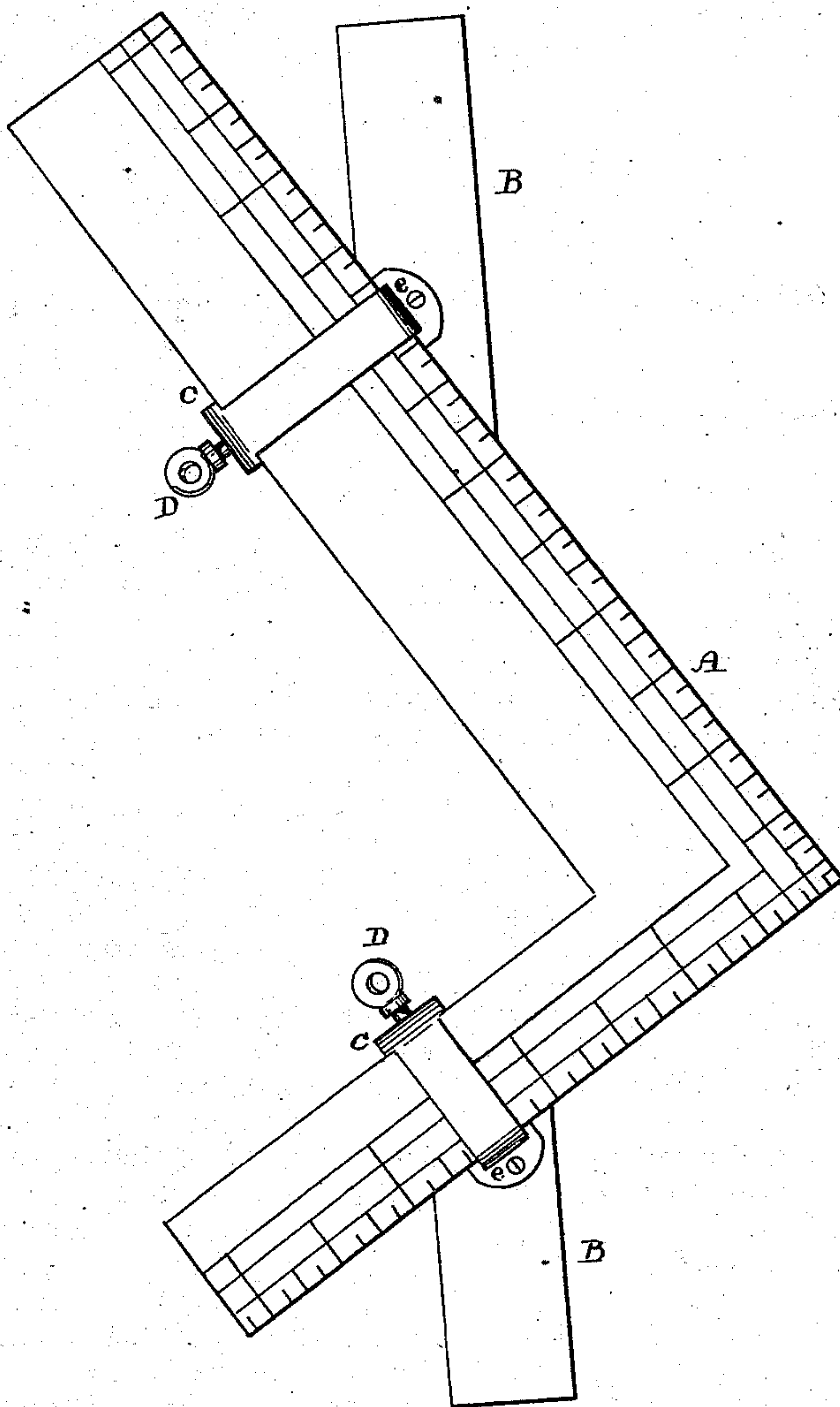


A. ISKE & J. BAUMGARTNER.

Carpenters' Sliding Gages and Squares.

No. 158,843.

Patented Jan. 19, 1875.



WITNESSES.

*Jno. McOmney*  
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INVENTORS.

*Anthony Iske*  
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# UNITED STATES PATENT OFFICE.

ANTHONY ISKE AND JEROME BAUMGARTNER, OF LANCASTER, PA.

## IMPROVEMENT IN CARPENTERS' SLIDING GAGES AND SQUARES.

Specification forming part of Letters Patent No. 158,843, dated January 19, 1875; application filed September 26, 1874.

*To all whom it may concern:*

Be it known that we, ANTHONY ISKE and JEROME BAUMGARTNER, of Lancaster city, in the State of Pennsylvania, have invented certain Improvements in a Self-Adjusting Sliding Stair-Step Gage, of which the following is a specification:

The nature of this invention consists in the combination of a loose or revolving gage-block on a sliding loop, one for each limb of an ordinary metallic carpenter's square, each being provided with a set-screw, so that they can be adjusted and firmly held in place for scribing, by the exposed angle of the square, the exact height and width to be cut out to form the desired step for a stairway with the greatest ease and accuracy.

The accompanying drawing clearly shows the combined self-adjusting sliding gage and square, in which—

A is the ordinary metallic square, with its scale of inches and fractions. C shows the several loops with their respective set-screws D on the inner side of the angle, as shown. The outer end is connected, by a pivot-rivet on the projecting lower side of the loop, to a gage block or plate, B. These blocks or gages B set in a direct line, with their outer edge against the straight edge of the board to be notched out at right angles to form the step-supports of a stairway, the one loop being adjusted to the desired height of the step, the other

to the exact width. The applied gage-blocks allow only such a projection of the two sides of the square or angle as will yield the desired scribe to form the angle to be cut away.

The old fashion of making a gage-block out of a piece of a board, and laying it down for a pattern to scribe the size of the notch, required great care to prevent movement and to secure exact adjustment, and each change of height or depth required its own pattern, which is greatly simplified by the aforesaid combination. We are aware, however, that in Patent No. 136,653, March 11, 1873, an attachment to a carpenter's square is shown, and in which a slotted scale or rule, attached by an intermediate slotted link, with a clamp or thumb-screw passing through the angle of the square. We claim nothing of this kind of arrangement.

What we claim as our invention, and desire to secure by Letters Patent, is—

The turning gage-blocks B, connected, by a pivot, *e*, with a sliding loop, C, having a set or binding screw, D, in combination with an ordinary metallic square, substantially as shown, for the purpose specified.

ANTHONY ISKE.  
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Witnesses:

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