

A. F. DICKEY.
Combined Square, Bevel, &c.

No. 205,843.

Patented July 9, 1878.

Fig. 1.

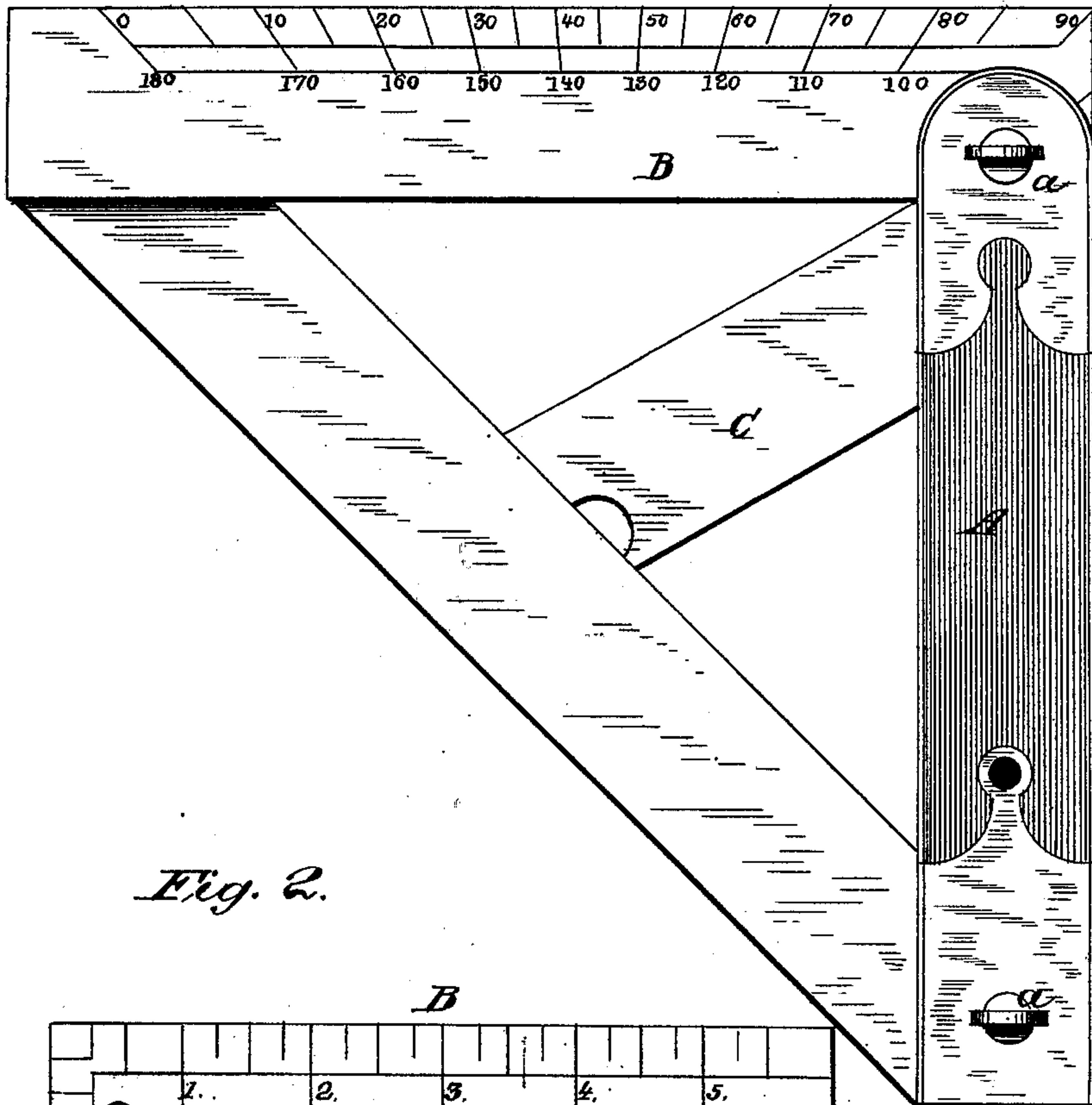
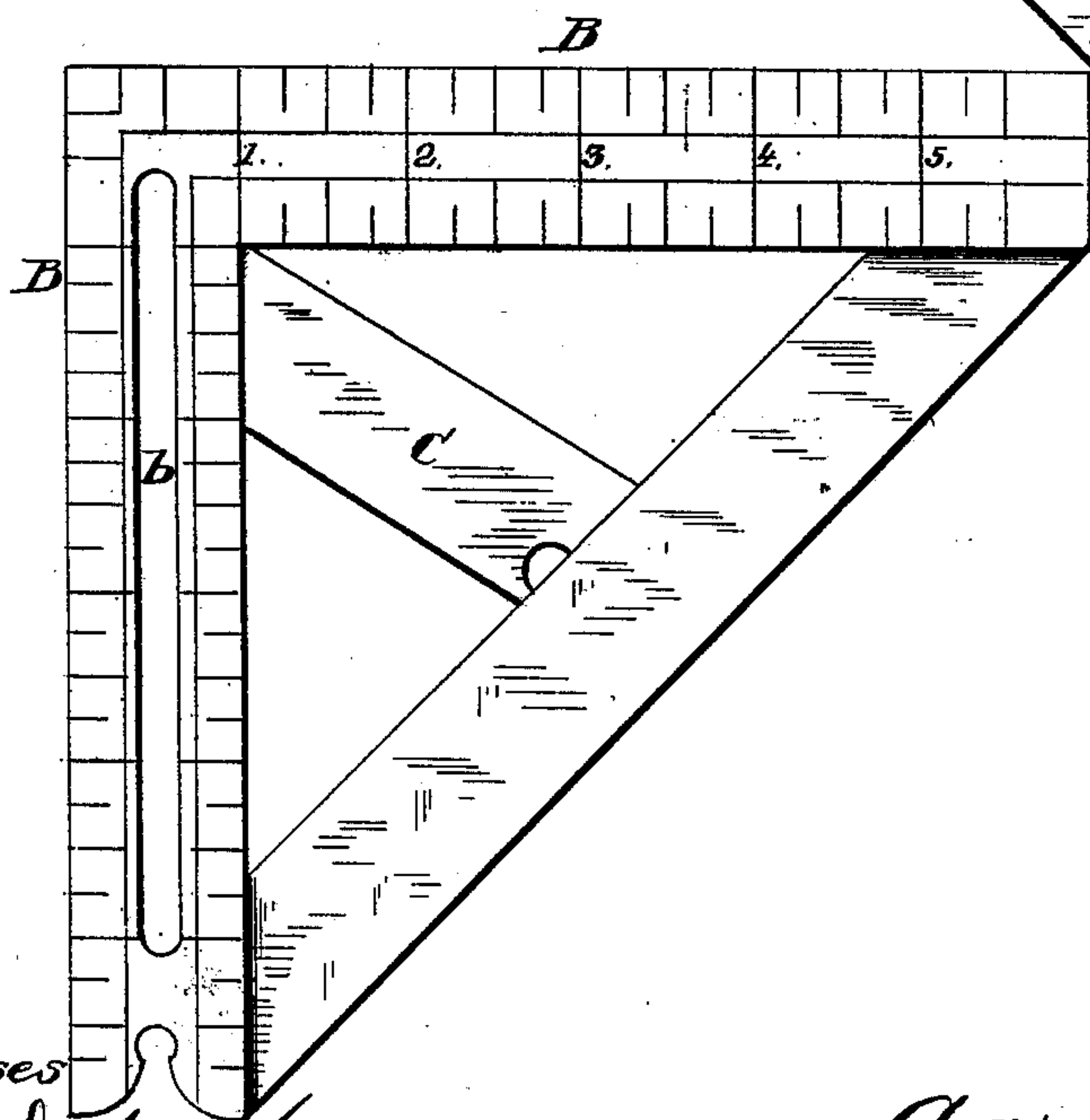


Fig. 2.



Witnesses
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UNITED STATES PATENT OFFICE.

AARON F. DICKEY, OF SOMERSET, PENNSYLVANIA.

IMPROVEMENT IN COMBINED SQUARE, BEVEL, &c.

Specification forming part of Letters Patent No. **205,843**, dated July 9, 1878; application filed May 13, 1878.

To all whom it may concern:

Be it known that I, AARON F. DICKEY, of Somerset, in the county of Somerset and State of Pennsylvania, have invented certain new and useful Improvements in Carpenters' Squares, &c.; and I do hereby declare that the following is a full, clear, and exact description of my invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a side elevation of my improved joiners' or carpenters' instrument. Fig. 2 is a similar view of the blade, detached from its stock or handle.

Corresponding parts in the several figures are denoted by like letters.

This invention appertains to certain improvements in joiners' or carpenters' instruments combining in one a cut-off square, try-square, bevel, stair-gage, square miter, octagonal miter, bevel-protractor, &c.; and it consists of a right-angled-triangular blade, graduated, slotted, and possessed of certain peculiarities of construction, and clamped in a stock or handle, all substantially as hereinafter more fully set forth.

In the drawing, A refers to the handle or stock, in or between the parts of which is clamped the instrument proper, or right-angled-triangle, B, by the thumb or adjusting-screw *a* passing through stock A, and through an elongated slot, *b*, in the base of the triangle, by which it (the latter) can be set to answer in the capacity of any of the instruments above mentioned.

Upon one side of the base and one side of the perpendicular of the triangle are regis-

tered figures in graduations denoting degrees, called the "protractor."

The opposite sides of the same parts of the triangle are laid off in graduations and figures denoting inches, &c., for a rule, &c.

The hypotenuse or longest side of the triangle is connected to its base near the perpendicular by a diagonal intermediate bar or plate, *c*, which is provided with an aperture at its point of conjunction with the hypotenuse for the purpose of laying off the center of the circle when the instrument is used as a protractor.

With an experienced hand, or one skilled in the art, it will be readily understood how the instrument can be used in the capacity of the cut-off square, the try-square, the bevel, the square miter, and octagonal miter.

This device, though combining a variety of instruments, as above described, and even, in practice, more than those named, is exceedingly simple, its operation easily understood, and is inexpensive.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

The right-angled triangle B, having the slot *b*, graduated upon one side with inches, &c., and upon the opposite side with degrees, and intermediate diagonal bar or plate *c*, substantially as shown and described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

AARON F. DICKEY.

Witnesses:

W. WALTER KNABLE,
W. P. KOOSER.