No. 615,806. Patented Dec. 13, 1898.

D. H. CLYMER.

BEVEL SQUARE.

(Application filed Mar. 14, 1898.)

(No Model.)

Fig 1.

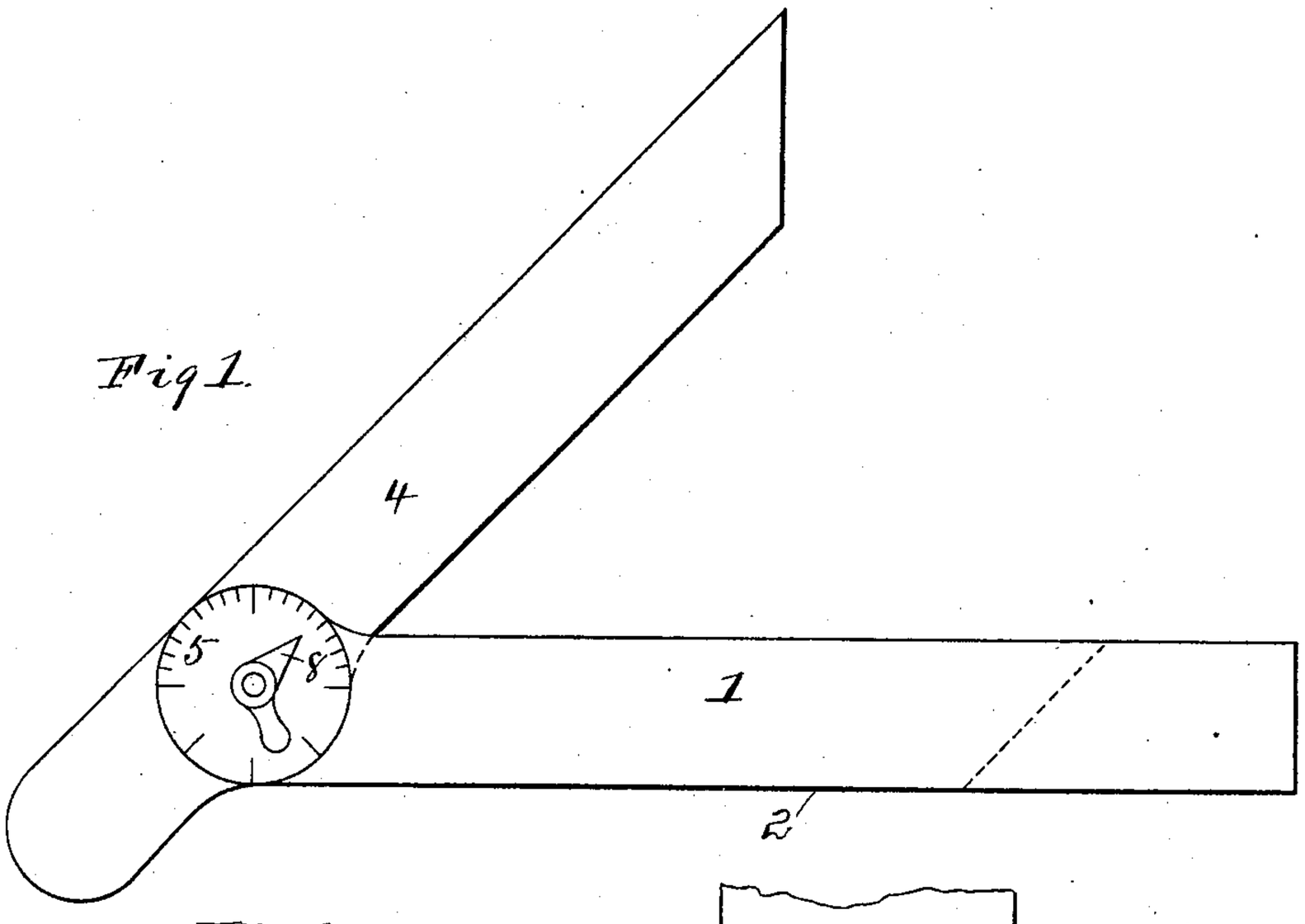


Fig 3.

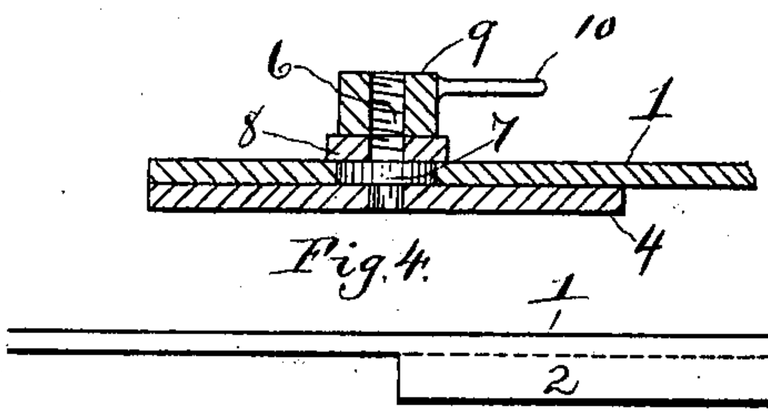


Fig 4.

Fig 5

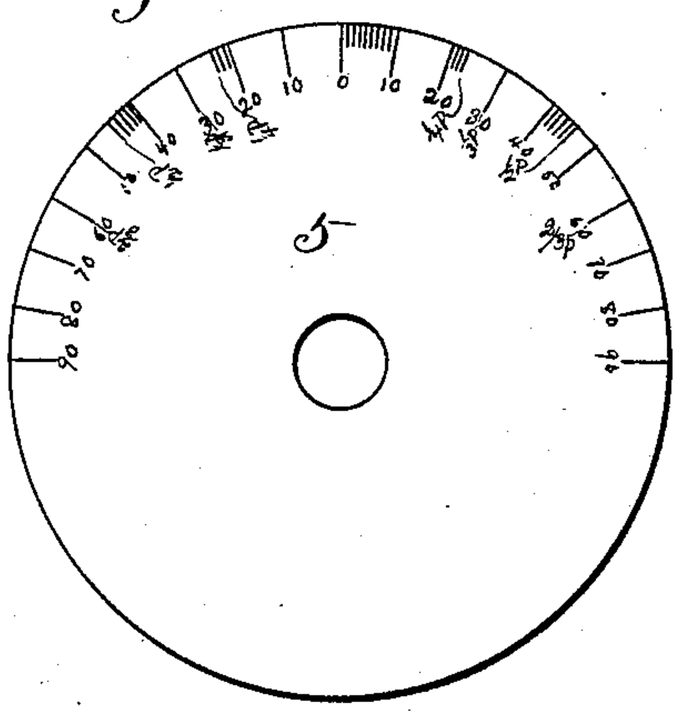
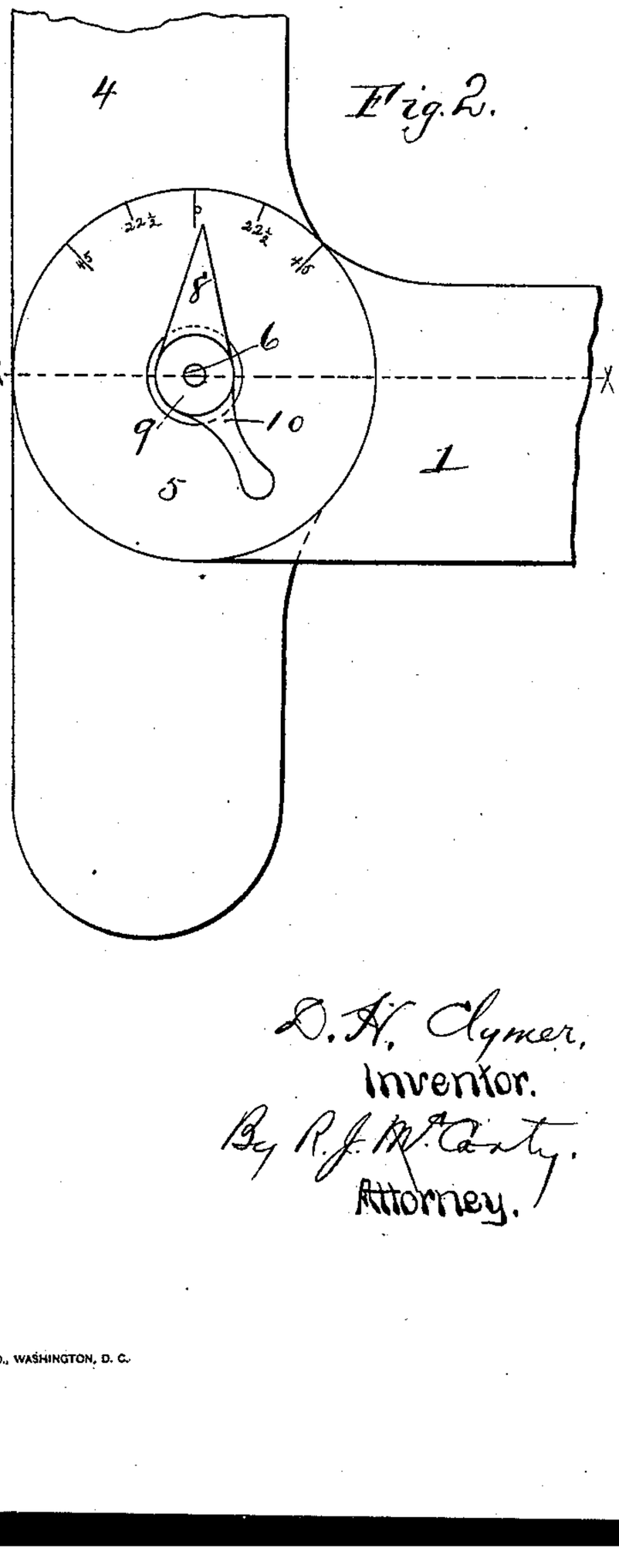


Fig 2.



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UNITED STATES PATENT OFFICE.

DAVID H. CLYMER, OF DAYTON, OHIO.

BEVEL-SQUARE.

SPECIFICATION forming part of Letters Patent No. 615,806, dated December 13, 1898.

Application filed March 14, 1898. Serial No. 673,752. (No model.)

To all whom it may concern:

Be it known that I, DAVID H. CLYMER, a citizen of the United States, residing at Dayton, in the county of Montgomery and State of Ohio, have invented certain new and useful Improvements in Bevel-Squares; and I do hereby declare that the following is a full, clear, and exact description of the 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, and to the figures of reference marked thereon, which form a part of this specification.

My invention relates to improvements in bevel-squares, and has for its object to provide a bevel-square with certain advantages hereinafter described in the specification and pointed out in the claim.

In the accompanying drawings, Figure 1 is an elevation of a bevel-square made in accordance with my invention. Fig. 2 is a similar view, full size, with portions of the blades broken away. Fig. 3 is a sectional view on the line *x x* of Fig. 2. Fig. 4 is an edge view of the stationary blade. Fig. 5 is an enlarged view of the graduated dial.

In carrying out the objects of my invention I provide the stationary blade 1 with an overturned portion or flange 2 throughout a portion of its length, which is adapted to fit against one side of the timber, (not shown,) while the blade itself lies flat upon another side of said piece of timber, and I also provide the outer end of said stationary blade 1 with a double thickness of metal, as at 3, which enables the said blade 1 to occupy a level position with the movable blade 4.

5 designates a graduated dial which is stamped in the end of the blade 1, the said end being enlarged and rounded especially for this purpose. The graduations on the said dial mark and indicate the various degrees of angle to which the movable blade may be set in a moment's time. The dial shown in Fig. 5, in addition to the degree-marks, also indicates by the following characters—"$\frac{2}{3}$ P," "$\frac{1}{2}$ P," "$\frac{1}{3}$ P," "$\frac{1}{4}$ P,"&c.—the roof pitch-lines most commonly used in building construction, so that a workman is enabled in an instant to move the movable blade 4 to any of the angles most commonly used.

6 designates a pin which has a fixed connection with the movable blade 4 and an enlarged portion 7, which moves freely in the stationary blade when the movable blade is turned.

8 is a pointer fixed to said pin to indicate the graduated points on the dial.

9 is a jam-nut having a handle 10 to turn it by to release and tighten the movable blade in a manner readily understood.

The hub of the pointer 8 is somewhat larger in diameter than the opening in the blade 1 in order to maintain said blade in position on the head 7.

Having described my invention, I claim—.

As a new article of manufacture, a bevel-square the stationary blade 1 of which has a flange 2 extending throughout a portion of its length, the said blade having an increased thickness as at 3 which enables it to occupy a level position, and an enlargement at one end provided with a degree-scale, and indications denoting the various pitch-lines of a roof, a movable blade 4 adapted to be moved to the various degree-marks and pitch-line indications, the said movable blade having a pivotal connection with the stationary blade by means of a pin, and an enlarged portion 7 that moves freely in the stationary blade.

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

DAVID H. CLYMER.

Witnesses:

R. J. MCCARTY,

JOHN W. KALBFUS.