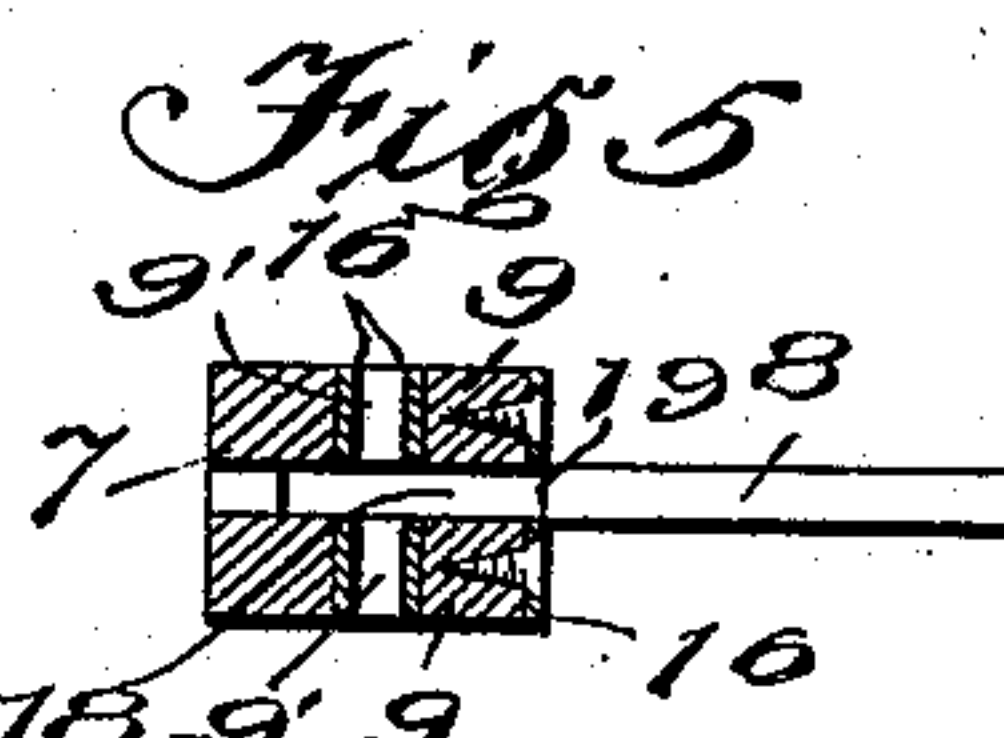
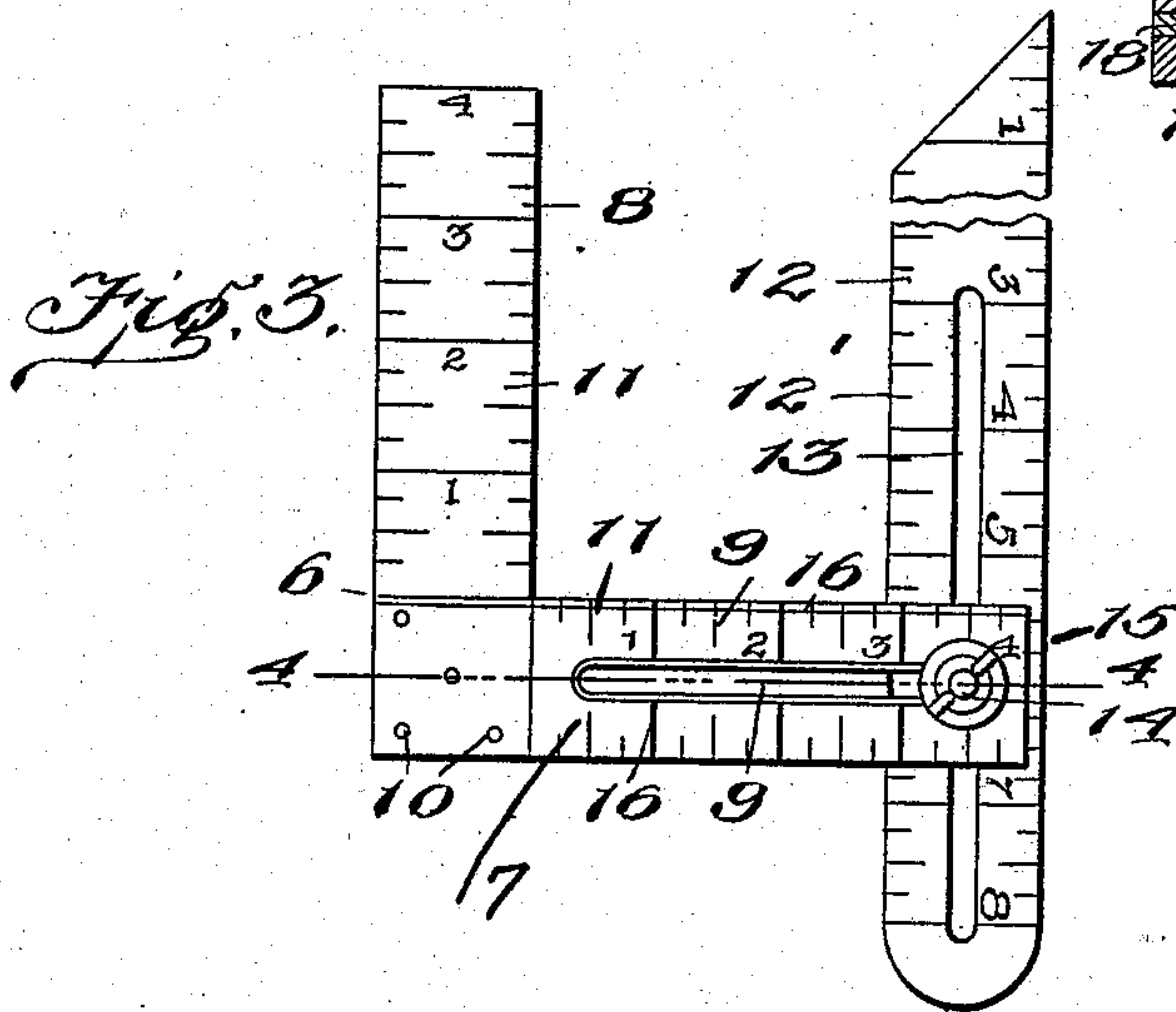
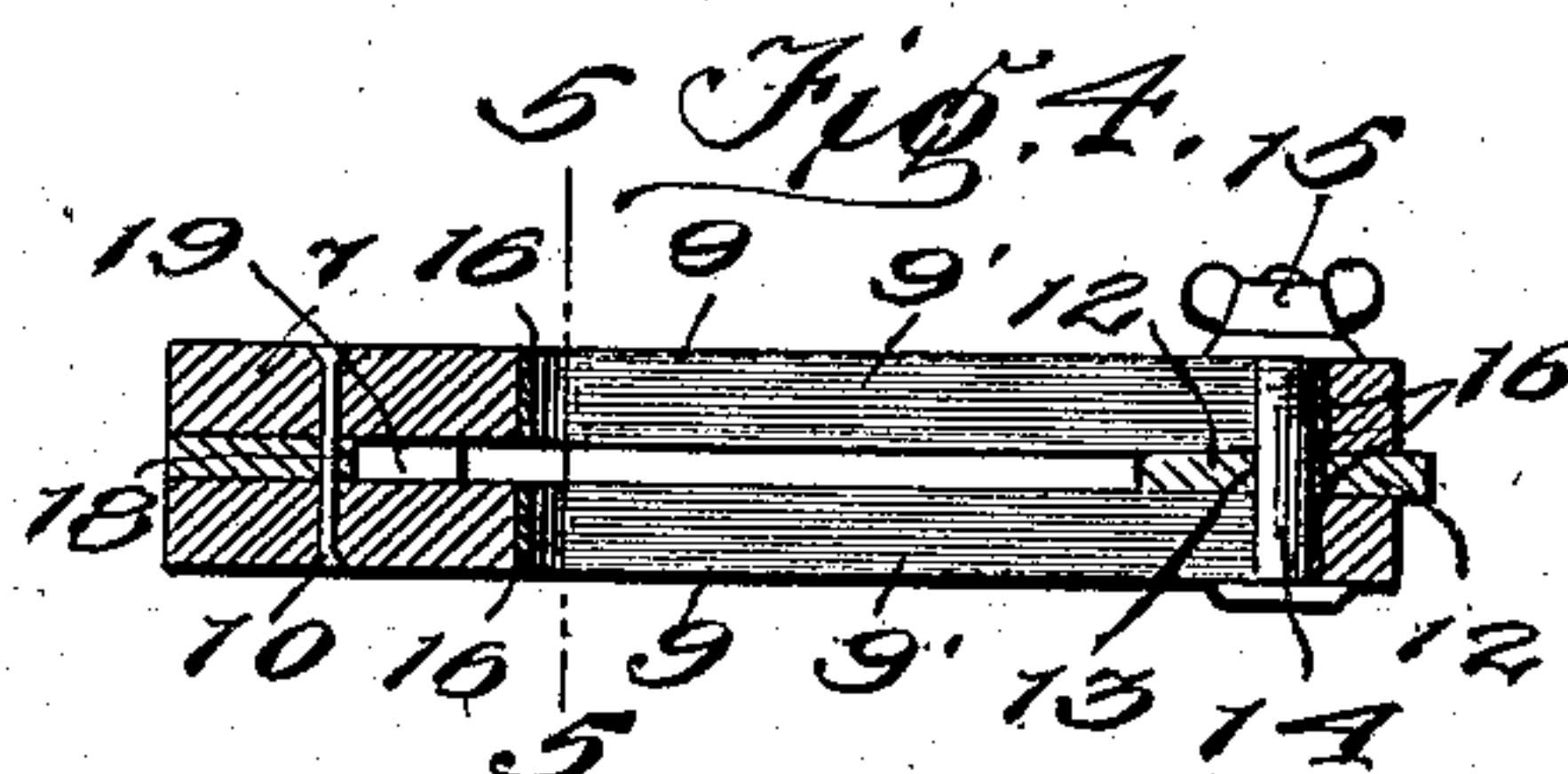
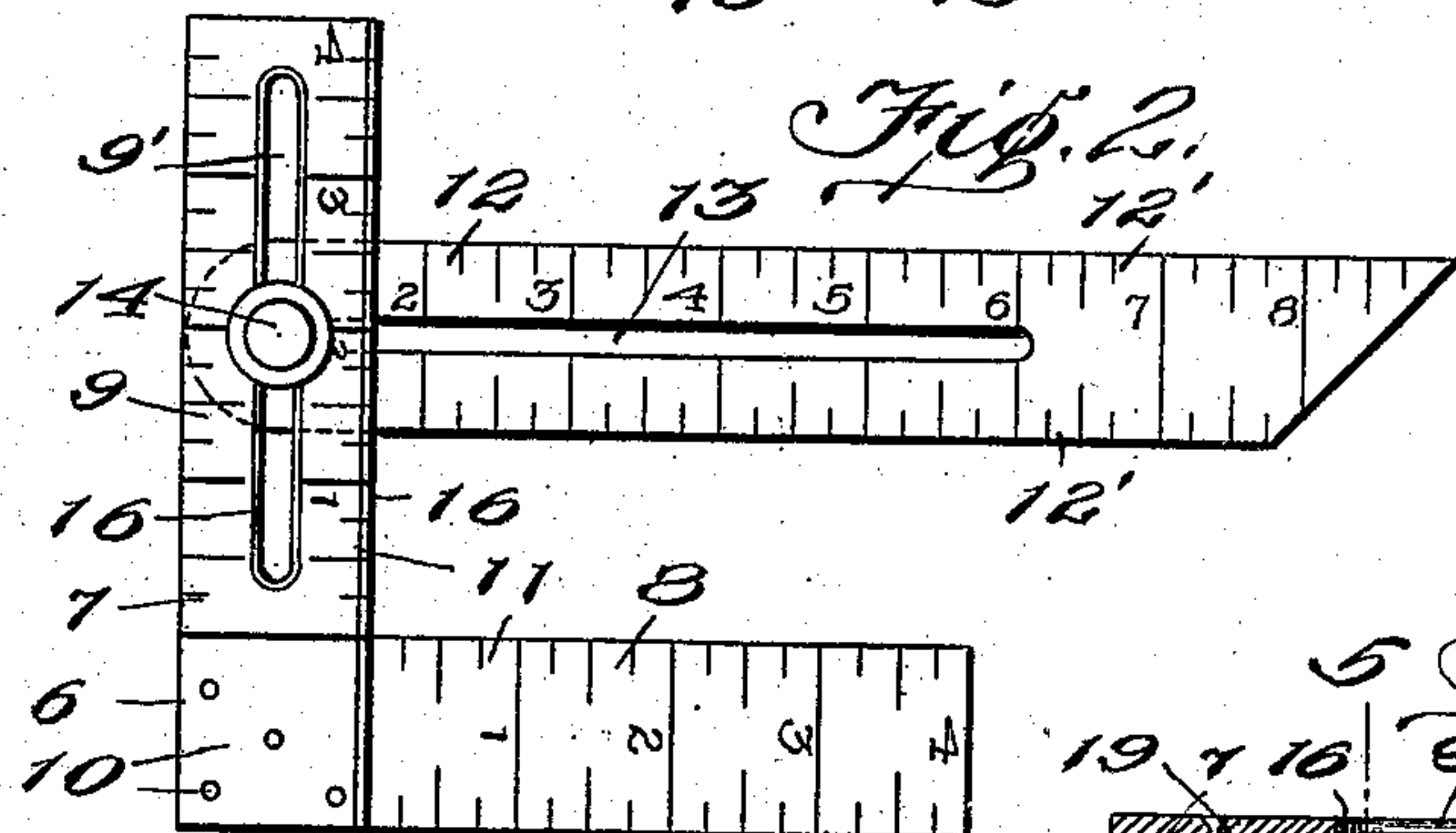
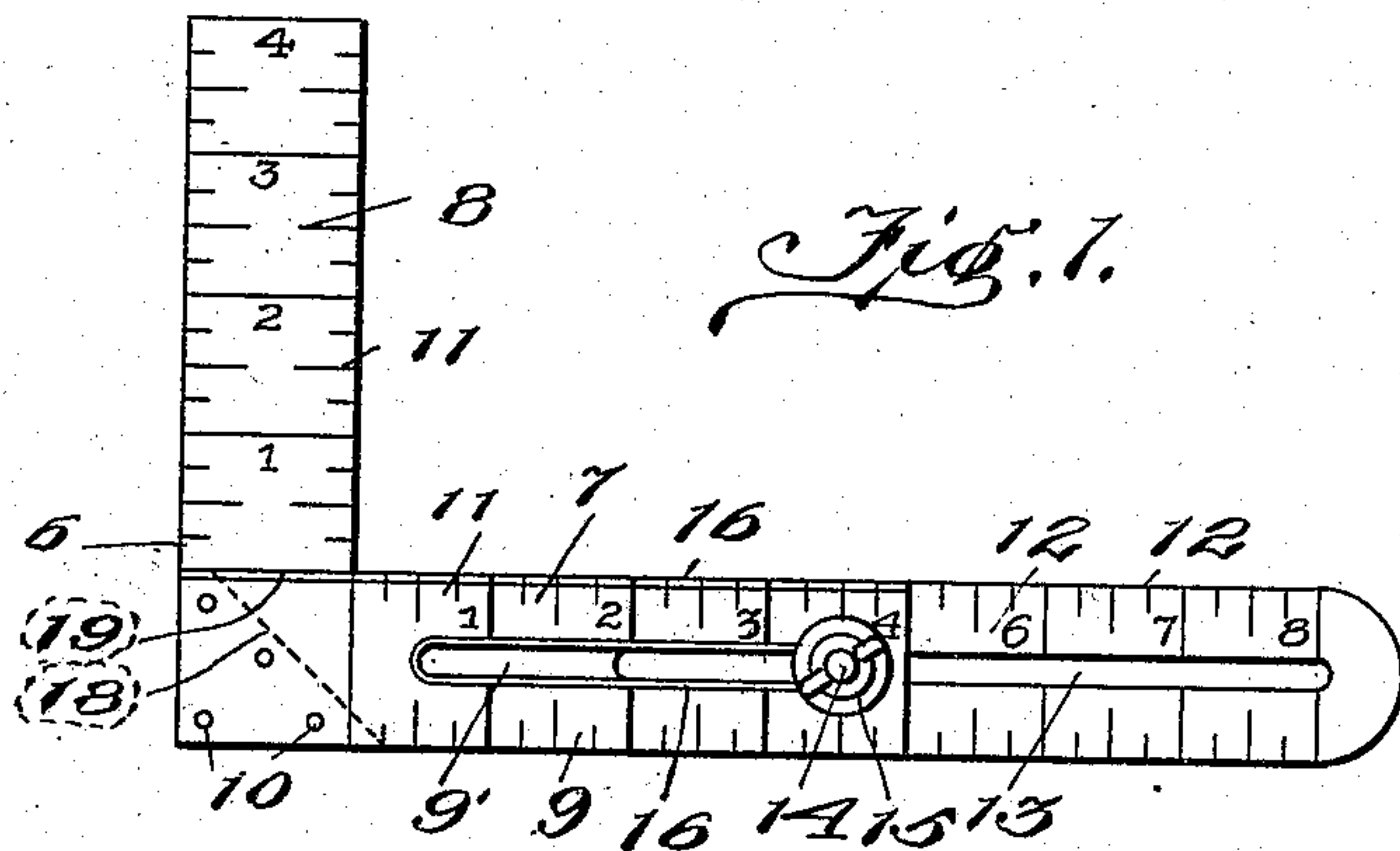


B. M. & R. R. RANDALL.
SQUARE.

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911,330.

Patented Feb. 2, 1909.



Witnesses
Geo. S. Thoms
" *E. R. Chandler*

Inventor
Beaty M. Randall
Richard R. Randall
By *Woodward & Chandler*
Attorneys

UNITED STATES PATENT OFFICE.

BEATY M. RANDALL AND RICHARD R. RANDALL, OF BLOOMINGTON, INDIANA.

SQUARE.

No. 911,330.

Specification of Letters Patent.

Patented Feb. 2, 1909.

Application filed January 21, 1908. Serial No. 411,968.

To all whom it may concern:

Be it known that we, BEATY M. RANDALL and RICHARD R. RANDALL, citizens of the United States, residing at Bloomington, in the county of Monroe and State of Indiana, have invented certain new and useful Improvements in Squares, of which the following is a specification.

This invention relates to squares, and has for its object to provide a square of this character which may be used as a try-square, tee square and bevel square, and which can be easily adjusted for its various uses.

Other objects and advantages will be apparent from the following description and it will be understood that changes in the specific structures shown and described, may be made within the scope of the claims without departing from the spirit of the invention.

In the drawings, Figure 1 is a view, showing my invention in use as a try-square. Fig. 2 is a similar view showing the invention in use as a tee square. Fig. 3 is a similar view, showing the invention in use as a vertical gage. Fig. 4 is a section in the line 4—4 in Fig. 3. Fig. 5 is a section on the line 5—5 in Fig. 4.

In the drawing, there is shown a square 6, consisting of the blades 7 and 8 respectively. The blade 7 consists of two spaced parallel members 9, slotted longitudinally as shown at 9'. The blade 8 is secured by fastenings 10, between the members 9 at one end thereof. The blades 7 and 8 respectively are provided with scales 11.

A gage blade 12 is provided, and is mounted between the members 9 of the blade 7, for movement therebetween. The blade 12 is slotted longitudinally as at 13, and through this slot, and through the slots 9' formed in the blade 7, there is shown a bolt 14, having a clamping nut 15, as shown. The blade 12 is provided with a scale 12'. A brass wear plate 16, is mounted in the faces of the members 9, and this plate surrounds the slots 9', formed in the members 9.

A portion of the blade 8 between the members 9 is cut away as shown, to form shoulders 18, and 19, and it will thus be seen, that when the tool is not in use, the blade 12 may be shoved between the members 9 and against the shoulders 18 and 19 of the blade 8, and

thus prevent lateral movement of the blade 12. When it is desired to lay off a miter of any angle, the blade 12 is swung downwardly until its edge engages the inner edge of the blade 8.

In use as a try-square the blade 12 is shoved downwardly and is then turned at right angles and brought into alinement with the blade 7. In this position of the tool it will be seen that the scale 12' on the blade 12 will form a continuation of the scale 11, and thus increase marking surface is obtained. When it is desired to use the tool as a vertical gage, the blade 12 is made to assume a vertical position and may then be clamped to the blade 7, at different points along the scale.

What is claimed is:

1. A square including vertical and horizontal blades, the horizontal blade having a longitudinally extending slot therein, a blade movable on said horizontal blade and having a longitudinally extending slot, a clamping bolt disposed in the slots and adapted to clamp the last named blade at different points of its movement, the vertical blade having shoulders, and arranged to receive the movable blade, when not in use.

2. A square including vertical and horizontal blades, the horizontal blade being formed of two parallel spaced members, said members having longitudinally extending slots, the vertical blade being secured between the members of the horizontal blade, the vertical blade having a portion between the members of the horizontal blade cut away to form shoulders, a blade movable between the members of the horizontal blade and having a longitudinally extending slot, the blade having its end cut at an angle and adapted to lie at times between the shoulders formed on the vertical blade, and a clamping bolt arranged in the slots of the horizontal arm and in the slot of the movable arm and adapted to clamp said movable blade at different points of its movement.

In testimony whereof we affix our signatures, in presence of two witnesses.

BEATY M. RANDALL.

RICHARD R. RANDALL.

Witnesses:

ANDREW L. SHIELDS,
GEORGE W. RANDALL.