

No. 733,279.

PATENTED JULY 7, 1903.

A. SANG.
T-SQUARE CLAMP.
APPLICATION FILED DEC. 22, 1902.

NO MODEL.

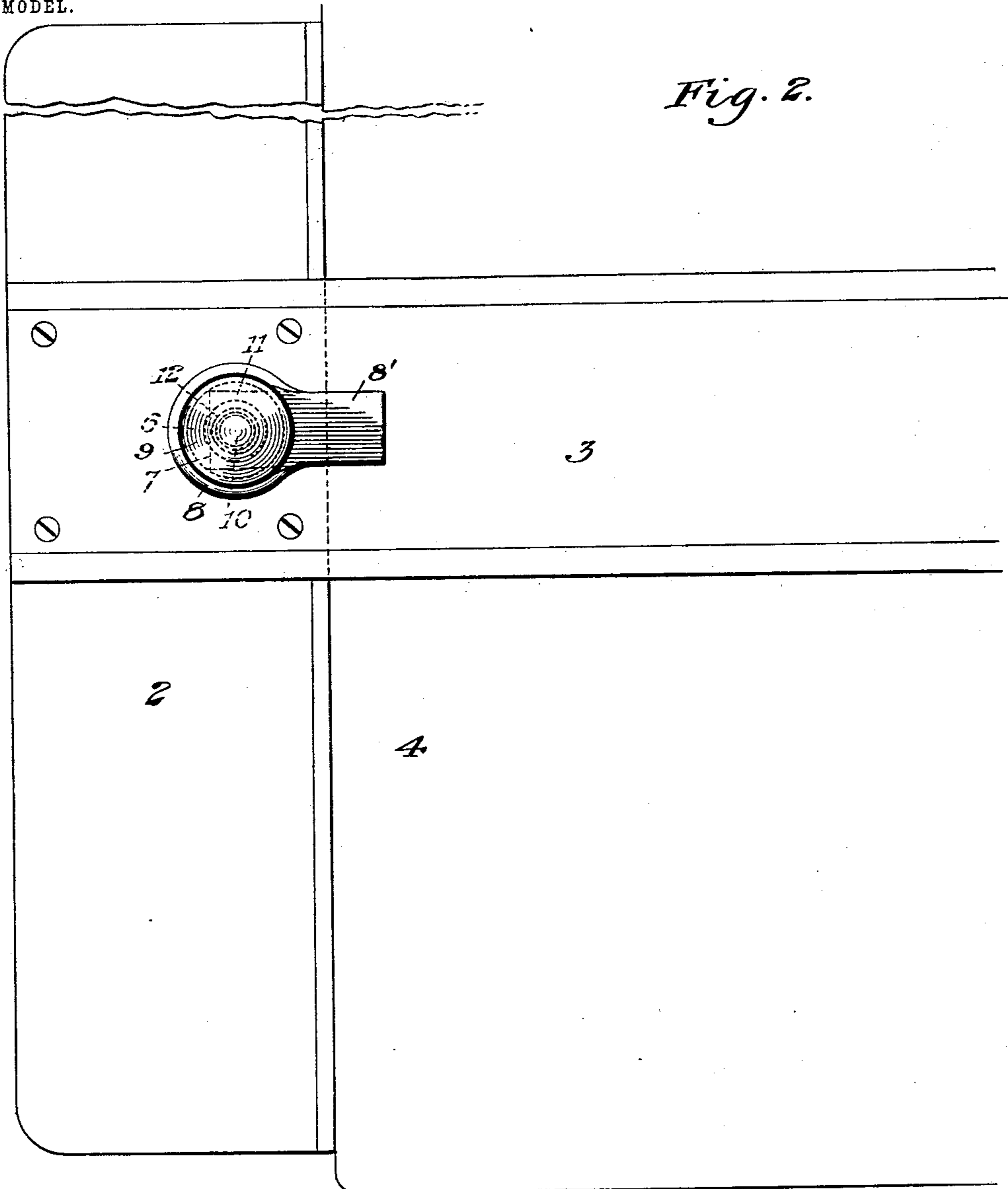


Fig. 2.

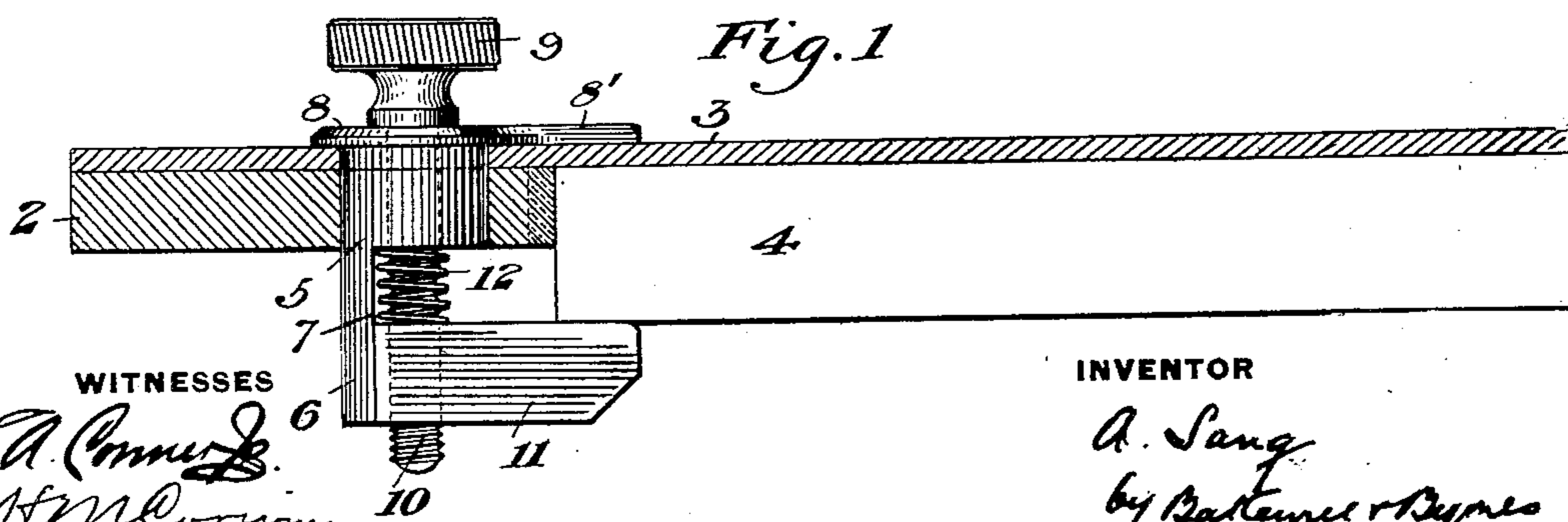


Fig. 1

WITNESSES

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UNITED STATES PATENT OFFICE.

ALFRED SANG, OF PITTSBURG, PENNSYLVANIA.

T-SQUARE CLAMP.

SPECIFICATION forming part of Letters Patent No. 733,279, dated July 7, 1903.

Application filed December 22, 1902. Serial No. 136,118. (No model.)

To all whom it may concern:

Be it known that I, ALFRED SANG, of Pittsburg, Allegheny county, Pennsylvania, have invented a new and useful T-Square Clamp, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a sectional side elevation showing the end portion of a T-square provided with my improved clamp. Fig. 2 is a plan view.

My invention relates to the T-squares employed by draftsmen, and is designed to provide an improved clamp and guide for holding it in adjusted position to the table and guiding it in movements along the table and which may be easily released and reclamped.

In the drawings, 2 represents the head of the T-square, 3 the blade, and 4 an end portion of a table on which the square is used. The head of the T-square is provided with a hole through which extends a hollow plug 5, having at one side a downward extension 6 with a flat guiding-face 7 on its front side. This plug has a ring or flanged portion 8, fitting on the top face of the head, and through it extends a thumb-screw 9, whose screw-threaded portion 10 extends through an inner-screw-threaded hole in the sliding jaw 11. A spiral spring 12 is interposed between the jaw 11 and the plug, which normally tends to force the jaw downwardly.

In operating the device the T-square is moved along with the edge of the table to the desired point, and the thumb-screw is then turned to draw the movable jaw upwardly against the under face of the table to clamp the device upon the table. The T-square may be released by turning the thumb-screw in the reverse direction, giving a quick and easy adjustment. In order to prevent tipping of the T-square when tightly clamped, I preferably extend the flange 8, as shown at 8', this being above the jaw 11 and prevents a tendency to tilt.

When the device is partially clamped, it will prevent minute shiftings of the T-square

head and keep the head squarely against the edge of the board or table, while allowing the T-square to be moved up and down or along this edge. It will also prevent the T-square from slipping down an inclined drawing-board.

The advantages of my invention result from the use of the clamp extending transversely through the head and provided with the jaw, which is forced against the under side of the table, since a quick and ready adjustment is afforded, while the device may be cheaply made and applied.

The clamp can be applied to a swivel-head T-square and changes may be made in the form and arrangement of the clamp within the scope of my invention.

I claim—

1. A T-square having a clamping-stem extending through a transverse hole in its head, a stiff clamping-jaw supported on the stem and projecting sidewise beneath the T-square blade, said jaw being arranged to be forced against the under side of the table by turning the stem, and a spring arranged to force back the clamping-jaw when released; substantially as described.

2. A T-square having a transverse hole through its head, a hollow plug in the hole, a thumb-screw extending through the plug, a sliding jaw mounted on the screw and projecting sidewise to a point below the thinner blade of the square and arranged to be forced against the table, and a spring between the plug and jaw; substantially as described.

3. A T-square having a transverse hole through its head, a hollow plug in the hole having a guiding extension, a jaw sliding along said extension, and a thumb-screw extending through the plug and arranged to adjust the jaw; substantially as described.

In testimony whereof I have hereunto set my hand.

ALFRED SANG.

Witnesses:

F. C. HODKINSON,
C. A. GLASER.