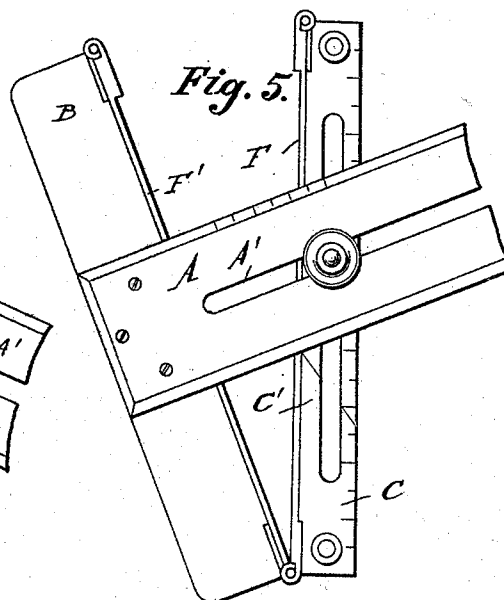
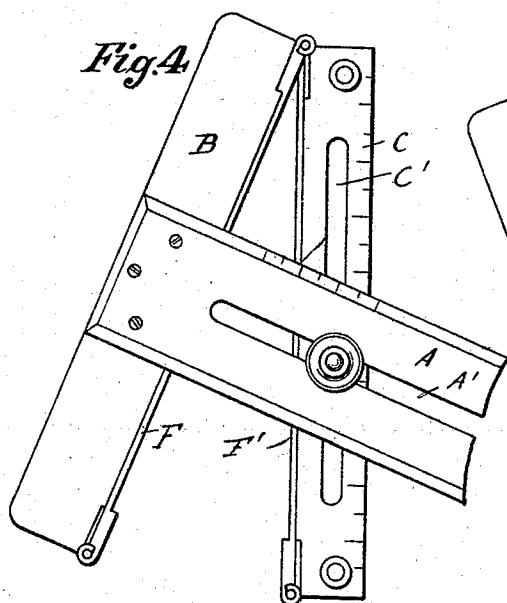
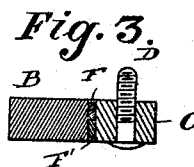
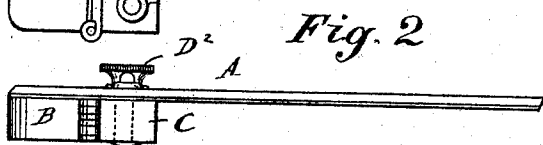
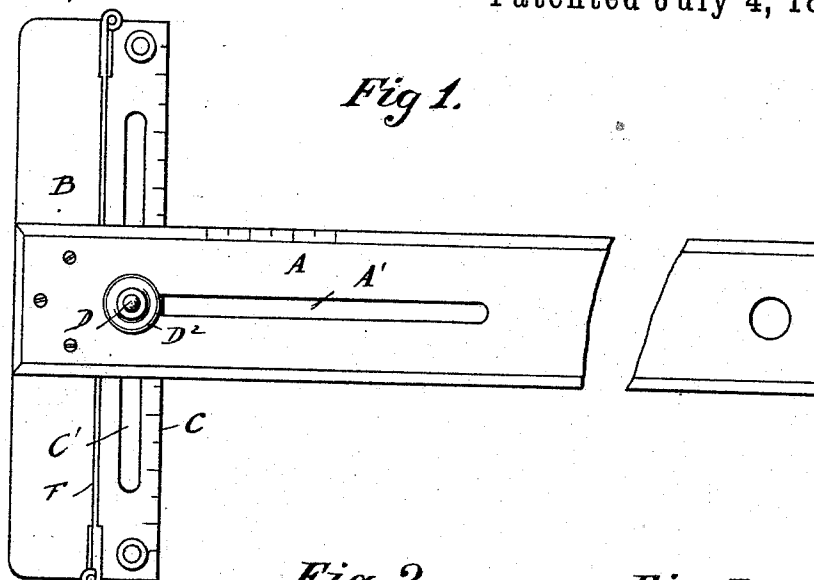


(No Model.)

A. VALENTOWITZ.
T-SQUARE.

No. 500,727.

Patented July 4, 1893.



WITNESSES:
Charles Schroeder.
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UNITED STATES PATENT OFFICE.

ALBERT WALENTOWITZ, OF GUTTENBERG, NEW JERSEY.

T-SQUARE.

SPECIFICATION forming part of Letters Patent No. 500,727, dated July 4, 1893.

Application filed March 10, 1893. Serial No. 465,425. (No model.)

To all whom it may concern:

Be it known that I, ALBERT WALENTOWITZ, a citizen of Germany, and a resident of Guttenberg, in the county of Hudson and State of New Jersey, have invented certain new and useful Improvements in T-Squares, of which the following is a specification.

This invention relates to improvements in T-squares for draftsmen, and the object of my invention is to provide a new and improved T-square, in which the blade is normally at right angles to the head, but can readily be adjusted at any angle, either upward or downward and locked in place so as to facilitate the drawing of inclined lines.

The invention consists in the combination with a head and a blade fixed thereon at right angles, of a bar adjacent to the inner edge of the head and having its ends connected with the opposite ends of the head by links, and means for locking the said bar in different positions on the blade.

The invention also consists in the construction and combination of parts and details which will be fully described hereinafter and finally pointed out in the claims.

In the accompanying drawings, Figure 1 is a plan-view of my improved T-square, parts being broken out. Fig. 2 is a side-view of the same, parts being broken out. Fig. 3 is a vertical transverse sectional view, the nut being removed, and Figs. 4 and 5 are plan views of the head, showing the adjustment for different angles.

Similar letters of reference indicate corresponding parts.

The blade A is permanently attached at one of its ends to the head B at right angles to the same, in the same manner as in an ordinary T-square. A bar C of the same thickness and length as the head B, and provided with a longitudinal slot C' extending from the top to the bottom surface is arranged along the inner edge of the head B. The ends of the bar C are connected by flat metal rods F F' of about half the height of the head B, with the opposite ends of the inner edge of the head, said rods being hinged to the bar C and to the head, and so arranged that one is above the other. A screw D is passed through the longitudinal slot A' of the blade A, and through the slot C' of the bar C, and is provided at its lower end with a head D'

and at its upper end with a nut D². The bar C is provided at each end with a handle knob E on its upper surface.

When the T-square is to be used for drawing lines at right angles to the head, the rods F F' are folded against the inner edge of the head and the bar C is folded against the rods F F' and the parts are locked in place by drawing up the nut D². When lines are to be drawn at an angle to the edge of the drawing board, the nut D² is loosened and the bar C is turned on one end or the other of the head, as shown in Figs. 4 and 5, until the blade A is at the desired angle to the bar C, and then the parts are locked in place by drawing up the nut D². The edge of the bar C is rested against the edge of the drawing board, to guide the blade in the usual manner.

The adjustment of the parts is facilitated by the graduated scales on the edges of the blade A and bar C. When the bar C is adjusted at an angle, one of the rods F F' rests closely against the inner edge of the head and the other against the edge of the bar C.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. In a T-square, the combination, with a head and blade secured thereto, of a bar adjacent to the inner edge of the blade, a link pivoted to each end of the head, the opposite end of each link being pivoted to that end of the bar opposite the end of the head to which the link is pivoted, and means for locking said bar in different positions on the blade, substantially as set forth.

2. In a T-square, the combination, with a head and a longitudinally slotted blade fixed thereon at right angles, of a longitudinally slotted bar adjacent to the inner edge of the head, pivoted links connecting the ends of said bar with the opposite ends of said head, a screw passed through the slot in the head and the slot in the bar, and a nut on said screw, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

ALBERT WALENTOWITZ.

Witnesses:

OSCAR F. GUNZ,
CHARLES SCHROEDER.