(No Model.)

W. F. SEARGEANT.

COMBINED SQUARE, MITER, AND CIRCLE SCRIBER.

No. 338,444. Patented Mar. 23, 1886.

Fig. 1

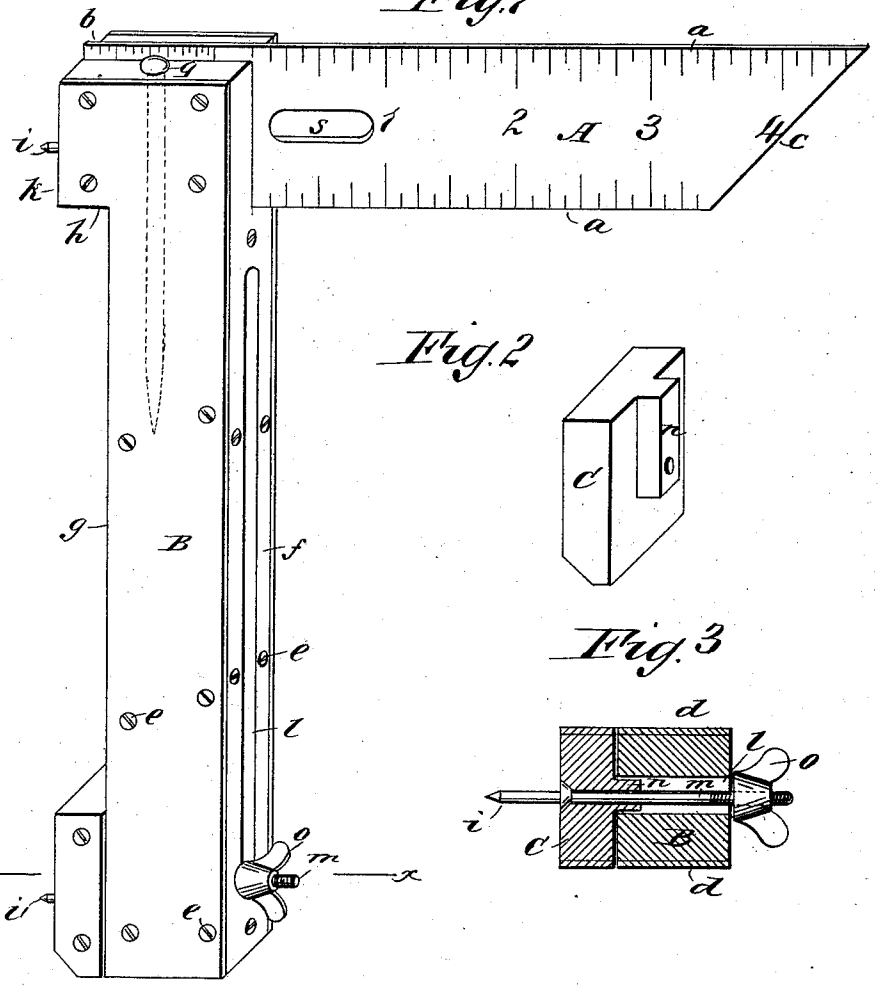
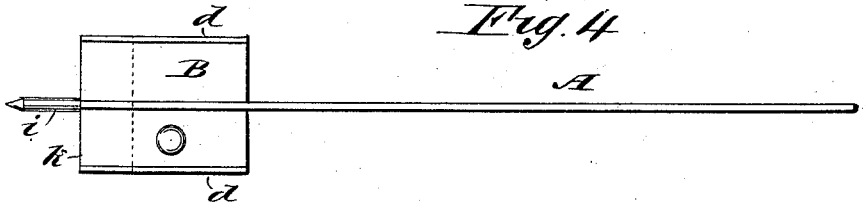


Fig. 2

Fig. 3

Fig. 4



WITNESSES:

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WILLIAM F. SEARGEANT, OF MARSHALL, MISSOURI.

COMBINED SQUARE, MITER, AND CIRCLE-SCRIBER.

SPECIFICATION forming part of Letters Patent No. 338,444, dated March 23, 1886.

Application filed July 25, 1885. Serial No. 172,652. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM F. SEARGEANT, of Marshall, in the county of Saline and State of Missouri, have invented a new and Improved Combination Square, of which the following is a full, clear, and exact description.

My present invention relates to the construction of that class of devices used by carpenters and other wood-workers for the purpose of marking out their work to form perfect joints; and the object of the invention is to construct an implement whereby the workman can mark out his work and form perfect joints where the abutting edges are right angular-circular, or are to be cut to form a miter-joint.

The invention consists of a graduated blade having a beveled or miter point mounted in a slotted stock, in the heel of which stock there is a screw-point, while an adjustable block, also carrying a point, is mounted in the slot formed in the stock. The blade of the square is provided with an elongated slot, preferably located near the stock, whereby the implement may be hung up when not in actual use.

The invention further consists in certain other details of construction and combinations of parts to be hereinafter described, and specifically pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of my combination-square. Fig. 2 is a detail view of the sliding block. Fig. 3 is a sectional view of the implement, taken on line *x x* of Fig. 1, and Fig. 4 is a view looking down upon the top of the implement as it is shown in Fig. 1.

A represents the blade of my combination-square, which is mounted in the usual manner in the stock B, said stock being of peculiar construction, as will be hereinafter set forth. This blade A is graduated upon both edges of each face, as shown at *a a*, and for very small measurements there is a minutely-divided scale, *b*, at the heel of the blade. The projecting end of the blade is beveled off at *c* in order that the implement may be used to mark off miter-joints.

The stock B may be made of metal or wood, but is preferably made of wood faced with metallic plates *d d*, which are secured to the body of the stock by screws *e e*. The inner face, *f*, of the stock is perfectly straight, and, as usual, is at right angles to the blade A, but the outer face, *g*, is notched at *h*, to form the right-angled shoulder or projection *k*, from the outer face of which there projects a point, *i*. The body of the stock B is slotted, as shown at *l*, and in this slot *l*, so formed in the stock B, there rides the projection *n*, formed on the inner face of the sliding block C, which is clamped in any desired position upon the stock B by means of the bolt *m* and thumb-screw *o*, as best shown in Figs. 1 and 3.

The block C carries a point, *i'*, which is used in conjunction with the point *i* for the purpose of describing arcs or circles, the diameter of which may be varied by adjusting the block C to or from the blade A.

The implement above described is particularly applicable for use in marking weather-boards, so that accurate joints may be formed at the points where the boards abut against the window-casings and the corner boards, in such cases the stock B being placed upon the board, which is temporarily put in position, so that the shoulder *k* rests upon the upper edge of the board, the side face of the shoulder *k* and block C being brought against the window-casing or corner board, and when in this position the board is scribed or marked.

The top of the stock is socketed to carry a scribe, *q*, the idea being to always have a marking implement at hand; and to increase the convenience of the square I form a slot, *s*, near the heel of the blade, so that the implement may be hung upon a nail or peg.

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

1. An implement constituting a combination-square, having a graduated blade, the point of which is beveled, a slotted stock, on which there is mounted a sliding block carrying a point, *i'*, a second point, *i*, being carried by the stock just back of the heel of the blade, substantially as described.

2. A combination-square having a blade-miter beveled at the point, said blade being graduated on both edges of each face, and being formed with a slot, *s*, a slotted stock carrying a pin, *i*, which, in conjunction with a pin, *i'*, carried by a sliding block, C, forms a circle-scribing attachment, substantially as described.

3. A combination-square containing the following elements: slotted blade graduated on both edges of each face, a slotted stock, having a shoulder, *k*, that carries a pin, *i*, and is clamped to the stock by a bolt, *m*, and thumb-screw, *o*, substantially as described.

WILLIAM F. SEARGEANT.

Witnesses:
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