

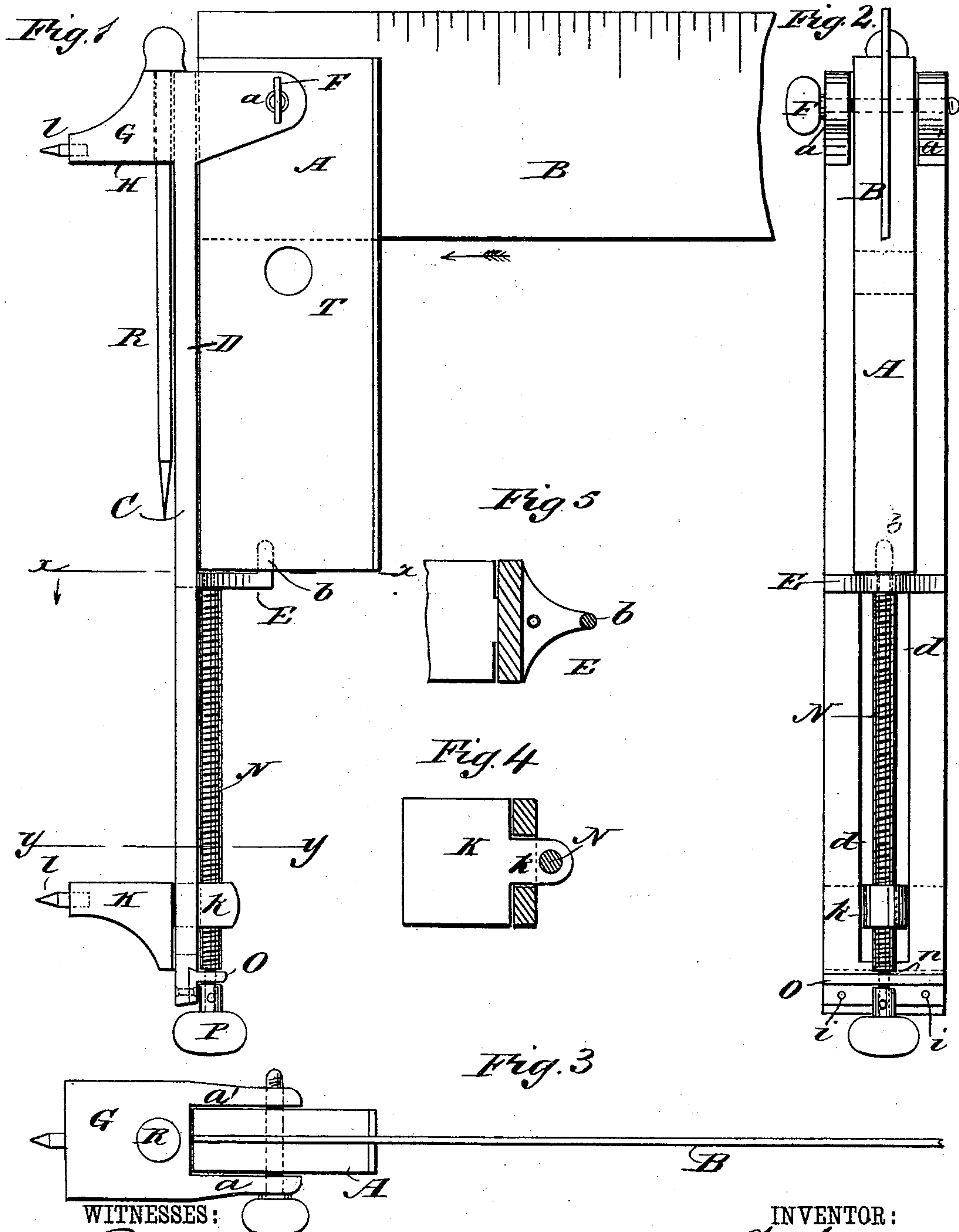
(No Model.)

W. F. SEARGEANT.

CIRCLE SCRIBING ATTACHMENT FOR SQUARES.

No. 366,890.

Patented July 19, 1887.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

WILLIAM F. SEARGEANT, OF MARSHALL, MISSOURI.

## CIRCLE-SCRIBING ATTACHMENT FOR SQUARES.

SPECIFICATION forming part of Letters Patent No. 366,890, dated July 19, 1887.

Application filed February 20, 1886. Serial No. 192,655. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM FONTAINE SEARGEANT, of Marshall, in the county of Saline and State of Missouri, have invented a new and Improved Circle Scribing and Spacing Attachment for Weather-Boarding Squares, of which the following is a full, clear, and exact description.

My present invention relates to certain improvements in the construction of that form of circle scribing and spacing attachment for squares forming the subject-matter of my application, No. 188,991, filed January 18, 1886; and although I have illustrated and described herein certain features shown in the application referred to, I do not claim such features, except in combination with other novel features to be hereinafter described.

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

Figure 1 is a side view of a portion of an ordinary try-square provided with my improved form of weather-boarding attachment. Fig. 2 is a view of the same looking in the direction of the arrow shown in connection with Fig. 1. Fig. 3 is a plan view of the apparatus. Fig. 4 is a sectional plan view taken on line *yy* of Fig. 1, and Fig. 5 is a detail sectional view on line *xx* of Fig. 1.

Referring now to the general construction illustrated in the drawings above referred to, A represents the stock, and B the blade, of an ordinary form of try-square. The attachment forming the subject-matter of this application is shown at C, and consists, essentially, of a beam or leg, D, upon the upper end of which there are formed ears *a a'*, so placed that the stock A of the try-square will fit snugly in the space between them. A bracket, E, having an upwardly-extending pin, *b*, projects from the same side of the leg D as do the ears *a a'*, the pin *b* being designed to enter a recess formed in the stock, as indicated by dotted lines in Figs. 1 and 2, the leg and its attachments, to be hereinafter described, being secured to the stock A by means of a bolt, F, which passes through the stock and engages with a threaded socket formed in the ear *a'*; or a simple set-screw

might be used, arranged to engage with a threaded socket formed in the ear *a* and impinge against the side face of the stock. Upon the upper end of the leg D there is an outwardly-extending bracket, G, the under face of which forms a shoulder, H, which is at right angles to the outer face of the leg D. Below the bracket E the leg D is formed with a longitudinal slot, *d*, through which the shank *k* of a sliding block, K, extends, the projecting end of the shank *k* being formed with a threaded socket that is engaged by a screw-shaft, N, the point of which screw is held by an aperture formed in the bracket E, while the lower end is held by an L-shaped lug, O, that is dovetailed in the leg D, being held in place by rivets *i i*. As shown in the drawings, that portion of the screw-shaft passing through the lug O is of much smaller diameter than the main body of the shaft, such contracted portion being shown at *n*, and upon the extending end of this portion *n* there is secured a thumb-piece, P.

The bracket G is formed with an aperture, through which the scribing-point R is inserted. The bracket G and the sliding block K are each provided with compass-points *ll*. With such an attachment as has just been described the distance between the points *l l* may be accurately adjusted for ascertaining the uniform width of board required to fill a given space, and the points do not in the least interfere with the general utility of the attachment.

It will of course be understood that the scribing-point R is only held within a recess in the bracket G for safe-keeping, and that it is removed when the device is in use.

In order that the square and its attachment may be hung upon any convenient nail or peg, I provide the stock of the square with an aperture, T, as best shown in Fig. 1.

This implement is designed for use in the marking of weather-boards where they abut against the window-casings or corner boards. In such case the attachment is placed against the board to be cut (which is temporarily put in position) in such a manner that the shoulder H rests upon the upper edge of the board, the side face of the shoulder H and block K being brought against the window-casing or corner board, and when in this position the



board is scribed or marked. The points *l* are useful for spacing the distance of the weather-board. Thus, suppose the windows are long enough for twenty-three boards and there is  
5 two inches over. Now, in order to work the two inches in, so that there will be no perceptible difference in the width of boards shown to the weather, I adjust the points *l l* just a shade wider and step the distance into  
10 equal parts on the edge of the window-casings, so that one board will come directly over the windows and one directly under.

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

1. A circle scribing and spacing attachment consisting of the leg *D*, provided with the brackets *E G*, projecting from opposite sides thereof, the sliding block *K* on the said leg,

the screw *N*, working in the shank of the block  
20 and journaled in a lug projecting from the leg and in the bracket *E*, and the pins *l* in the bracket *G* and block *K*, substantially as herein shown and described.

2. A circle scribing and spacing attachment  
25 consisting, essentially, of a leg, *D*, formed with ears *a a'*, and brackets *G* and *E*, the bracket *E* being provided with a pin, *b*, the lower portions of the leg being formed with a slot, *d*, through which there is passed the shank *k* of  
30 a sliding block, *K*, the block *K* and the bracket *G* being provided with compass-points *l*, substantially as described.

WILLIAM F. SEARGEANT.

Witnesses:

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C. E. HILTON.