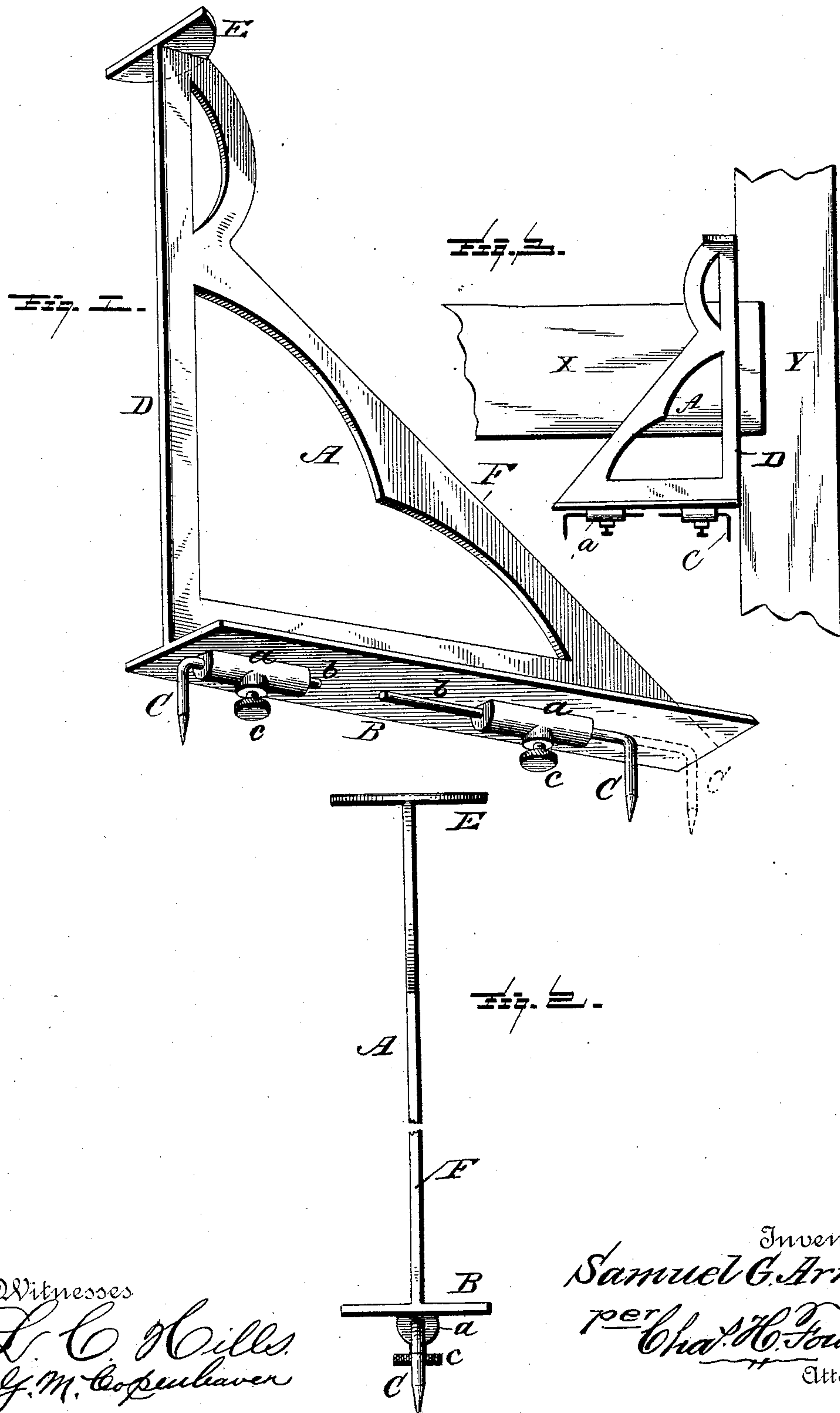


(No Model.)

S. G. ARNOLD.
COMBINATION TOOL.

No. 454,017.

Patented June 16, 1891.



Witnesses
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UNITED STATES PATENT OFFICE.

SAMUEL G. ARNOLD, OF CHESTER, CONNECTICUT.

COMBINATION-TOOL.

SPECIFICATION forming part of Letters Patent No. 454,017, dated June 16, 1891.

Application filed November 3, 1890. Serial No. 370,119. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL G. ARNOLD, a citizen of the United States, residing at Chester, in the county of Middlesex and State of Connecticut, have invented certain new and useful Improvements in Carpenters' Combination-Tools; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters of reference marked thereon.

Figure 1 of the drawings represents a perspective view of my invention; Fig. 2, an edge view thereof; and Fig. 3, a view on a reduced scale, showing the position the device will assume with relation to the clapboard and corner-board when used to true the end of the clapboard.

The present invention has for its object to provide a simple and effective device for carpenters' use that will combine therein several tools adapted for use principally in clapboarding and will take the place of the tools ordinarily used for this purpose, and will be much handier than the separate and distinct tools required in this class of carpentering, and save much time which would otherwise be consumed in hunting for any of the tools that may have possibly become misplaced when each tool is separate and distinct. The above-named object I attain in a tool or device constructed substantially as shown in the drawings, and hereinafter described and claimed.

In the accompanying drawings, A represents the frame of metal, wood, or other suitable material, provided with a bottom plate B, of any suitable width and length, and having bearings *a*, of any preferred and well-known construction, to receive the shanks *b* of spurs C, which are preferably of steel and extend at right angles to the shanks. These spurs C are adjustable and are held in their adjusted position by suitable set-screws *c*, so that their positions may be changed with relation to each other to bring them nearer together or farther apart, as circumstances require. The adjustable spurs are used to space up on the window-frames and corner-boards in order to have the clapboards an equal distance apart. The try-square is formed by the angle bounded

by the straight-edge D of the frame A and the plate B, and at the upper end of the frame A is the cross-plate E, which forms a bearing-plate to steady the tool when used to true the ends of the clapboard, as will be hereinafter described.

In order to more clearly set forth the manner of using the tool for squaring the end of the clapboard to fit the corner-board, I have shown in Fig. 3 of the drawings the position which the end of the clapboard will assume with relation to the corner-board. Now it should be understood that these corner-boards upon the side of a house or other places are not always true or plumb, or, in other words, the inner edges of the boards are not straight. Therefore it is very seldom in squaring a clapboard at both ends that a perfect joint is obtained with the corner-boards without the use of a block-plane to trim the ends to fit, which would consume both time and labor, as it is necessary to have the ends of the clapboard nicely fit against the corner-boards, so as to make a close and neat joint, and consequently it will be readily understood that the ends of the clapboard should correspond with the edge of the corner-boards against which they are to abut or come in contact. Now to successfully accomplish this purpose one end of the clapboard, as shown at X, is placed in position, so that it will overlap the corner-board Y, as indicated in Fig. 3, after which the tool is placed flatwise over and upon the clapboard and is moved along in a direction toward the corner-board until the ends of the plate E and the plate B come in contact with the edge of said board. The tool will now be in position with relation to the clapboard and corner-board to square the end of the former by drawing a pencil along the straight-edge D to indicate on the clapboard the line on which it is to be sawed off, which, being done in like manner at both ends, the ends of the clapboard will thus be trued to correspond with the inner edges of the corner-boards against which they are to fit, thereby securing a closely and perfectly fitting joint. The bearing-plate E and the end of the bottom plate B, when brought in contact with the edge of the corner-board, as shown in Fig. 3, steady the tool while marking the line along the straight-edge. The frame A is also pro-

vided with a miter-edge F, which may be used for making frames and for joining or mitering generally.

It will be seen that several tools equally
5 useful are combined in one device, the adjustable spurs spacing the distances on the corner-boards and window-casings, the plate B and straight-edge D providing the device with a try-square, the cross-plate E serving as
10 a bearing-plate, for the purpose hereinbefore described, and the edge F for mitering purposes, thereby providing a very useful device or tool for carpenters' use, and especially valuable in clapboarding.

15 Any changes in the details of construction that would come within ordinary mechanical skill I reserve the right to make without affecting the principle of my invention.

Having now fully described my invention, what I claim as new, and desire to secure by 20 Letters Patent, is—

A combination-tool consisting of a suitable frame having a straight-edge and a miter-edge, a base-plate at the bottom of said frame, points or spurs adjustably connected thereto, 25 and a cross-plate at the upper end of the frame, substantially as and for the purpose set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

SAMUEL G. ARNOLD.

Witnesses:

JONATHAN T. CLARKE,
H. M. NORTON.