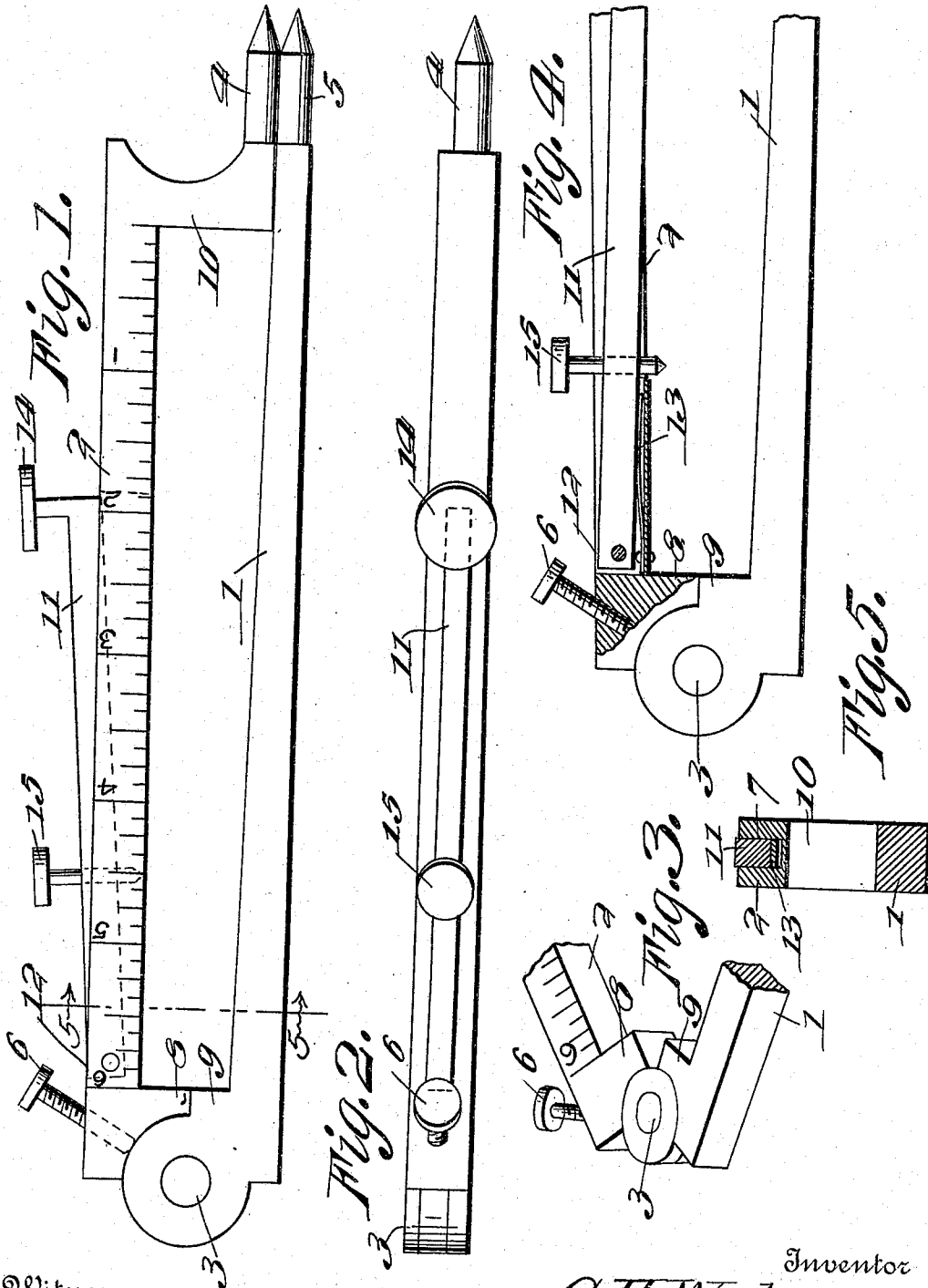


G. H. WATERS.
COMBINATION TOOL.
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933,278.

Patented Sept. 7, 1909.



Witnesses
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UNITED STATES PATENT OFFICE.

GABE H. WATERS, OF GREER, SOUTH CAROLINA.

COMBINATION-TOOL.

933,278.

Specification of Letters Patent.

Patented Sept. 7, 1909.

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To all whom it may concern:

Be it known that I, GABE H. WATERS, a citizen of the United States, residing at Greer, in the county of Greenville and State of South Carolina, have invented certain new and useful Improvements in Combination-Tools; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to an improved combination tool, especially adapted for the use of carpenters.

The object thereof is to provide a simply constructed and efficient tool of this class adapted to be used as a compass, rule and siding gage and marker.

With the foregoing and other objects in view, the invention consists of certain novel features of construction, combination and arrangement of parts, as will be more fully described and particularly pointed out in the appended claims.

In the accompanying drawings, Figure 1 is a side elevation of this improved tool; Fig. 2 is a top plan view thereof; Fig. 3 is a perspective view of the inner end of the pivoted members showing them in open position. Fig. 4 is a side elevation partly in section of the tool with the members in closed position and with their outer ends broken off. Fig. 5 is a transverse section on line 5—5 of Fig. 1.

In the embodiment illustrated, two members 1 and 2 are pivotally connected at 3 in the manner of an ordinary compass and are provided at their free ends with pointed members 4 and 5 similar to the legs of a compass. A screw 6 is arranged at the pivoted ends of the members 1 and 2 to hold said members apart when they are set for spacing when the device is to be used as a compass. The member 2 is constructed as shown in Fig. 1 with a scale arranged on one side thereof and with a longitudinally arranged slot 7 extending edgewise through said member, preferably for about two-thirds of the length thereof and which is designed for a purpose to be described. This member 2 is preferably made L-shape and the long arm thereof is preferably provided with a laterally extending lug 8 which is adapted to abut against a similar lug 9 carried at the pivoted end of the member 1 when said members 1 and 2 are in closed position, the inner

face of the short arm 10 of the member 2 being designed to fit against the bottom edge of the siding, as will be hereinafter described.

A lever 11 is secured at one end at 12 to the pivoted end of the member 2 and a spring 13 is arranged thereunder to exert its tension to hold the free end of said lever outward when not in use. A button 14 is mounted on the free end of the lever 11 for depressing said lever to cause a pointed stud 15 to engage and make an impression in the siding at the point desired to indicate where the nail is to be set. This stud 15 is mounted for longitudinal adjustment on the lever 11 and the point thereof is held normally by said lever in withdrawn or inoperative position, it being adapted to be projected into operative position by depressing the button 14 on the free end of the lever.

When the device is to be used in putting on siding, the members 4 and 5 thereof are opened and the tool slipped down over the edge of the siding until the inner faces of the lug 8 and arm 10 are held against the corner board or casing. A line is then drawn across the siding along the scale or rule carried by the member 2 and the tool is then slipped back an inch or so from the casing or corner board and the arm 10 is engaged with the bottom edge of the siding. When so engaged, the button 14 on the lever 11 is depressed to cause the point of the stud 15 which has been adjusted at the point desired to pass through the slot 7 to form an impression in the siding at the point where the nail is to be set.

It will thus be readily seen that this tool may be used either as a rule and compass or as a siding gage and a gage to mark the siding.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of the invention, as defined in the appended claims.

Having thus described my invention, what I claim is:

1. A tool comprising two members pivotally connected at one end thereof and having

their free ends pointed to form compass members, one of said members being approximately L-shaped and having the short arm thereof extended inwardly toward the other member, the long arm of said L-shaped member being provided with a longitudinally extending slot, a lever secured at one end to said long arm and having a pointed stud adjustably mounted thereon and operable through said slot for marking a siding.

2. A combination tool comprising two members pivotally connected at one end, one of said members being straight and the other L-shaped with the short arm thereof extending toward the other member, a spring pressed member secured at one end near the pivoted end of said L-shaped member, a longitudinally adjustable marking stud mounted on said lever, and normally held in inoperative position, and means carried by

said lever for projecting said stud into operative position.

3. A tool comprising two pivotally connected members having the free ends thereof pointed, one of said members being L-shaped with its short arm extending inwardly toward the other member, a lever pivoted at one end to the long arm of said L-shaped member, a marking stud mounted for longitudinal adjustment on said lever, means for holding said stud normally in inoperative position, and means carried by said lever for moving said stud into operative position.

In testimony whereof, I have hereunto set my hand in presence of two subscribing witnesses.

GABE H. WATERS.

Witnesses:

NATHAN C. KEMSEN,
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