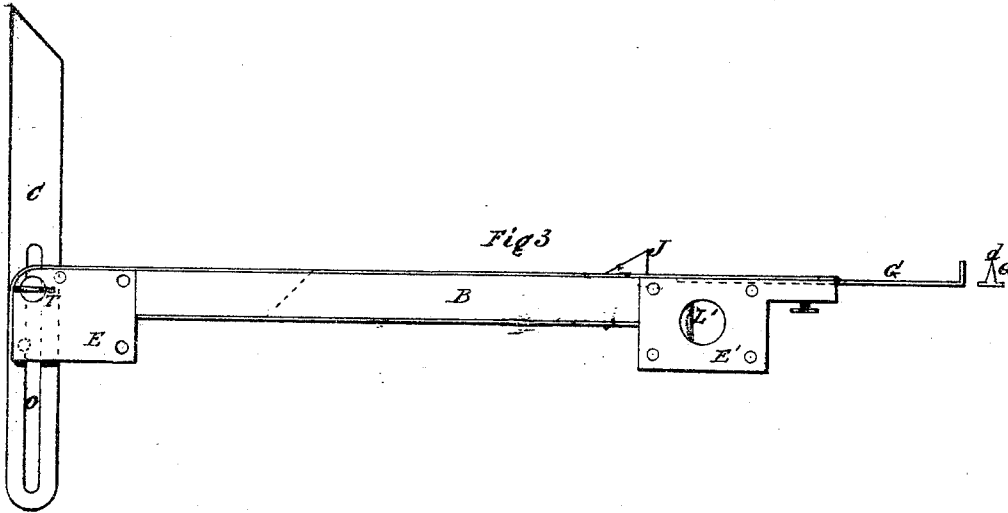
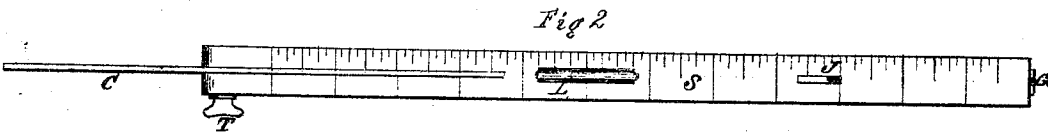
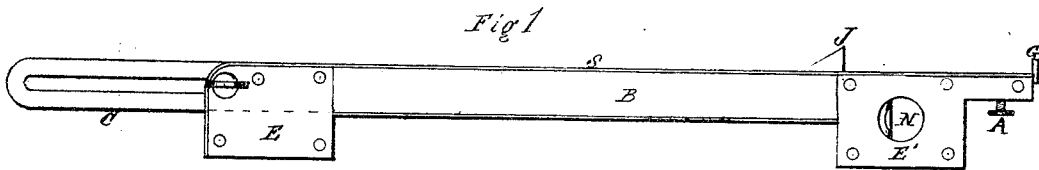


M. M. WILSON.

Improvement in Combined Square, Bevel, Plumb, and Gauge.

No. 114,378.

Patented May 2, 1871.



Witnesses.

Isaac R. Oakford -
Frank Stout

Inventor

Merton M. Wilson.

United States Patent Office.

MILTON M. WILSON, OF ELWOOD, NEW JERSEY, ASSIGNOR TO HIMSELF
AND JAMES H. CURL, OF SAME PLACE.

Letters Patent No. 114,378, dated May 2, 1871.

IMPROVEMENT IN COMBINED SQUARE, BEVEL, PLUMB, AND GAUGE.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern :

Be it known that I, MILTON M. WILSON, of Elwood, county of Atlantic, State of New Jersey, have invented a new and improved "Combination Tool;" and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing and to the letters of reference marked thereon.

The object of my invention is to provide a combination tool that will embrace a rule, marker, try-square, gauge, bevel, spirit-level, and plumb, which is especially adapted for carpenters' use in weather-boarding a building.

Figure 1 of the drawing is a side view of my improved combination tool.

Figure 2 is a top view of the same.

Figure 3 is a side view of the same, showing the gauge partially extended and the instrument adjusted for a try-square.

To enable those skilled in the art to make and use my invention, I will now proceed to describe it.

The body of the tool consists of a wooden bar, B, the central portion of which is made somewhat narrower than the end pieces E and E', so that it can be placed on an angle or transversely across a board and used as a marker.

On the upper edge of the bar B is secured a metal strip, S, on the face of which are marked the ordinary divisions of a foot-rule, and in one end of the bar and sliding under the said strip is an adjustable gauge, G, the upper surface of which is also marked with graduated inches.

The outer end *d* of the gauge is turned up at right angles, and is sharpened to a point so that it will mark a line when passed over the surface of a board; or it can be used for marking the positions of the nails in weather-boarding.

The gauge when extended out the required distance is firmly held in position by means of a clamp-screw, A, passed from the lower side of the bar B.

In the opposite end of the bar B is pivoted, by means of the thumb-screw, T, a steel blade, C, which, when

not in use, is closed down in a suitable slot formed in the bar, and when elevated in a vertical position it can be used as a try-square; or it can be placed on any angle desired and used as a bevel in cutting miters, &c.

The slot O, through which the thumb-screw T passes, allows the blade to be extended or shortened to different lengths above the upper edge of the bar B.

A projection, J, secured to the metal strip S, at a proper distance from that end of the bar into which the gauge G is passed, is pressed against one edge of the board when the gauge is set for a certain width, or for marking the position of the nails in weather-boarding.

In the center of the bar B is placed a spirit-level, L, which is visible through a rectangular-shaped opening made in the metal strip S, so that the instrument can be placed in a horizontal position and used as an ordinary level.

The end piece E' has a circular opening, N, made through it, in which is placed a spirit-level, L'; the said level is set transversely across the bar B in order that, when the instrument is placed in a vertical position, it will act as a plumb.

The end pieces E and E' are incased on the sides and lower edges with metal plates secured by screws, and the lower edge of the bar B is also protected by means of a metal strip secured to it.

Having thus described my invention, its construction and operation,

What I claim, and desire to secure by Letters Patent, is—

The above-described combination tool embracing a rule, marker, try-square, gauge, bevel, spirit-level, and plumb, constructed and operating substantially as and for the purpose specified.

In testimony whereof I have hereunto signed my name in the presence of two subscribing witnesses.

MILTON M. WILSON.

Witnesses:

ISAAC R. OAKFORD,
FRANK STOUT.