

UNITED STATES PATENT OFFICE.

CHARLES M. SILLIKER, OF ARLINGTON, MASSACHUSETTS.

TOOL.

SPECIFICATION forming part of Letters Patent No. 581,437, dated April 27, 1897.

Application filed March 19, 1896. Serial No. 583,940. (No model.)

To all whom it may concern:

Be it known that I, CHARLES M. SILLIKER, of Arlington, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Tools; and I hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification.

This invention has reference to improvements in tools, and particularly in tools by the aid of which the drawing of parallel marks is facilitated.

The object of the invention is to so construct a tool of the nature herein described that the drawing of parallel marks with a marking-tool may be facilitated, and particularly where such marks are gaged.

The invention consists of a tool comprising a blade or leg furnished with a scale thereon, and openings each having one edge extending in line with a scale-mark and an inclined edge adapted to direct the movement of the marking-tool in the opening toward the scale-line.

The invention further consists in such other peculiar features of construction and combination of parts as may hereinafter be more fully described, and pointed out in the claim.

Figure 1 represents a plan view of a piece of work which is being marked out by the aid of the improved tool, the tool being shown in similar view, with a pencil the point of which is located in one of the scaled openings.

Fig. 2 represents a plan view of the tool, showing openings made in the body of the blade, a portion of the tool-head being turned at an angle from its normal position.

Similar numbers and letters of reference designate corresponding parts throughout.

This tool is designed to save time and labor in marking out tenons, mortises, &c., as well as for aiding in the marking of parallel lines where they may be necessary in laying out plans or drawings. By constructing a tool in the nature of a square it is thought that the usefulness of the tool will be increased.

In carrying my invention into practice I construct a blade 5, having upon one surface

a scale, of which the marks 6, 7, and 8 indicate parts or measurements. Adjoining the scale-marks are openings 9 9, having straight edges 10 10, following the scale-lines 6, 7, and 8, and inclined edges 11 11, which when a pointed instrument is introduced within the wide portion of the opening and is moved along the same directs the point of the instrument toward the scale-line, following the straight edge of that particular opening, so that great accuracy may be obtained in the marking.

Where it is desirable, the blade or leg 5 may be furnished with a head 12 or similar device, which extends at right angles to the extension of the blade 5, at the same time being thicker than the blade or extending out of the surface-plane thereof, to serve as a guide adapted to bear on the edge of a piece of wood to locate the blade 5 at right angles thereto. This head may also be formed of two portions 13 and 14, connected by the screw 15, secured in the part 13 and extending through a perforation in the part 14, and clamped in position by the thumb-nut 16, as in the usual construction of squares having swiveled heads and for the same use.

To illustrate the use of this tool, a block of wood *a* is shown in the drawings. This block has an edge *b*, parallel to which it is designed to cut a mortise, the plan of which is illustrated by the lines *c d e* and the partially-made line *f*. The lines *c* and *d* are first made in the usual manner, the tool being used as an ordinary T-square, and the marker *g* being passed along the edge 20 of the blade. The tool is now placed in the position shown in Fig. 1, the opening 9 adjacent to the desired scale-mark is selected, and the point of a marking-tool, as *g*, is inserted in the opening, being directed in its movement in said opening toward the scale-line. The two tools are now moved simultaneously over the surface of the block, the head 12 moving over the edge *b*, constantly maintaining a parallelism between this edge and the mark made by the marking-tool. After the finishing of one of these parallel lines a second or any other number may be made in the same manner.

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

5 A marking-tool, comprising a blade having a series of scale-marks extending at right angles to the edge, and a series of openings having straight edges which form continuations of the scale-marks and slightly-curved in-

clined edges extending from the straight edges, in combination with a transverse head secured to the blade, as and for the purpose described. 10

CHARLES M. SILLIKER.

Witnesses:

CHAS. E. GALLEY,
ROBT. J. TAYLOR.