The present invention relates to new and useful improvements in combination tools for use by carpenters and more particularly to a combined electric handsaw guide and a pair of dividers.

An important object of the invention is to provide a pair of dividers equipped with a brace construction for rigidly holding the legs of the dividers at a predetermined angle and constructing each leg with a flange and arranged whereby the flange of one leg may be used to abut an edge of a board and the flange of the other leg rises from the board for use as a guide for an electric handsaw to cut the board at a desired angle.

Another object is to provide a tool of this character of simple and practical construction, which is efficient and dependable in operation, relatively inexpensive to manufacture and otherwise well adapted for the purpose for which the same is intended.

Other objects and advantages which will become subsequently apparent reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming a part hereof, wherein like numerals refer to like parts throughout, and in which:

Figure 1 is a top plan view;

Figure 2 is a side elevational view showing the tool in open position and with the divider points open;

Figure 3 is a side elevational view showing the tool and points closed; and

Figure 4 is an enlarged sectional view taken on a line 4—4 of Figure 3.

Referring now to the drawings in detail, wherein for the purpose of illustration I have disclosed a preferred embodiment of my invention, the numerals 5 and 6 designate a pair of legs of strap metal construction, each having a flat, circular head 7 at one end pivoted to each other at their centers by a rivet or the like 8 for swinging about the axis of the heads.

Leg 5 is formed with an angular flange 9 at its outer longitudinal edge and leg 6 is formed with an angular flange 10 also at its outer longitudinal edge, the flanges projecting oppositely from their respective legs to position flange 9 downwardly when flange 10 extends upwardly.

A pointed tip 11 is pivoted to the outer end portion of each leg for folding inwardly thereof when not in use and by swinging the tips outwardly in longitudinal alignment with the legs the tool may be used as a divider. The upper surface of head 7 for leg 5 is marked with a scale 12 which aligns with the inner longitudinal edge of leg 6 to indicate the angle at which the legs may be set with respect to each other.

A brace 13 is pivoted at one end to leg 5 and a brace 14 is also pivoted at one end to leg 6 and the other ends of the braces are pivoted to each other by a bolt and wing nut 15 which slides in a slot 16 which extends longitudinally in a locking brace 17 having one end pivoted to leg 5 and free to swing at its other end.

When using the tool as a guide for an electric handsaw 18 the flange 9 of leg 5 is placed against one edge of a board 19 and leg 6 is adjusted at a desired angle, as determined by scale 12, and locked by tightening bolt and wing nut 15 to rigidly secure the braces and legs from movement. The upstanding flange 10 of leg 6 then serves as a guide for the saw.

From the foregoing, the construction and operation of the device will be readily understood and further explanation is believed to be unnecessary. However, since numerous modifications and changes will readily occur to those skilled in the art, it is not desired to limit the invention to the exact construction shown and described, and accordingly all suitable modifications and equivalents may be resorted to, falling within the scope of the appended claims.

I claim:

A saw guide comprising a pair of leg members, a flat head at one end of each leg pivoted at their centers to each other for swinging the legs into and out of angularly adjusted position with respect to each other, a scale on one of said heads with which the relatively opposite leg co-acts, a downturned flange at the outer longitudinal edge of one of the legs adapted to abut one edge of work, an upstanding flange on the outer longitudinal edge of the other of said legs and forming a saw guide, a pair of braces pivoted at one end to the respective legs, a bolt and nut pivotally connecting the other ends of the braces to each other, and a locking brace pivoted at one end to one of the legs at a point between the free end of said one leg and the pivot of the adjacent brace of said pair of braces, said locking brace having a longitudinal slot in which the bolt is slidably secured to secure the legs in angularly adjusted position with respect to each other.

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