

(No Model.)

W. G. TUTEN.
CIRCULAR SAW GUIDE.

No. 440,075.

Patented Nov. 4, 1890.

Fig. 1.

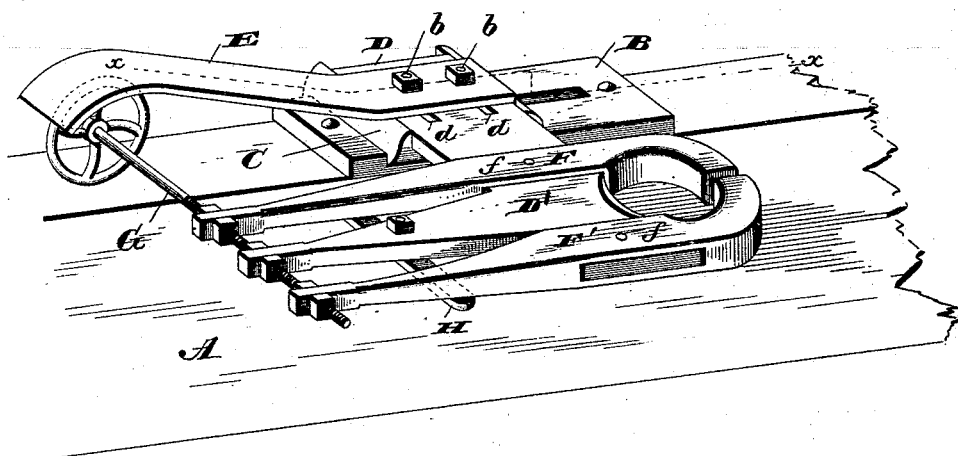


Fig. 2.

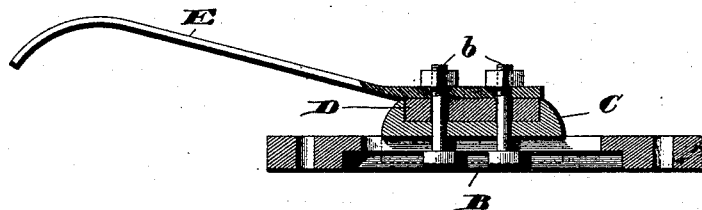
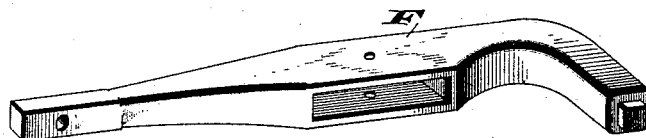


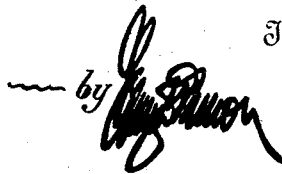
Fig. 3.



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UNITED STATES PATENT OFFICE.

WILLIAM G. TUTEN, OF BONNET, SOUTH CAROLINA.

CIRCULAR-SAW GUIDE.

SPECIFICATION forming part of Letters Patent No. 440,075, dated November 4, 1890.

Application filed July 17, 1890. Serial No. 359,050. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM G. TUTEN, a citizen of the United States of America, residing at Bonnet, in the county of Hampton and State of South Carolina, have invented certain new and useful Improvements in Circular-Saw Guides; and I do hereby 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, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

This invention relates to improvements in guides for circular saws; and it consists in a guide which is so constructed that it can be readily adjusted to put the saw in proper alignment, means being provided for not only adjusting the jaws or guide-posts, but also for adjusting the platform which carries the same.

In the accompanying drawings, forming part of this specification, Figure 1 is a perspective view of a saw-guide constructed in accordance with my invention. Fig. 2 is a sectional view taken through the line *xx* of Fig. 1, and Fig. 3 is a perspective view of one of the guide-posts detached.

A represents a portion of a bed-frame of a saw-mill, to which a block B, having a longitudinal slot, is attached, the end of said block being enlarged to provide a web, against which the heads of the bolts *b* will abut. Above the block B is a casting C, which is provided on its upper and lower faces with grooves, which are at right angles with each other, so that its edge will lie over the sides of the block or plate B, while in the upper recess lies a plate D, having longitudinal slots *d*, through which pass the bolts *b*, said bolts also securing in place a curved plate E, which not only serves as a washer, but also forms a partial cover for the hand-wheel, as will be hereinafter set forth.

It will be observed from the construction hereinbefore described that the plate or casting D, which carries the saw-guide posts, can be adjusted both laterally and longitudinally, so that the saw-guide posts can be approximately positioned, this construction providing a cheap, simple, and effective device,

which enables my improvement to be readily applied to circular saws mounted upon different styles of frames.

F and F' refer to the saw-guide posts, which are pivoted to the laterally-projecting plate or casting D at *f*, said plate being passed through openings in said saw-guide posts. The forward ends of said posts are bent to extend toward each other, and are recessed for the reception of blocks of leather or other suitable material, which contact with the sides of the circular saw. The opposite ends of these saw-guide posts are provided with openings, through which pass the threaded stem G, which carries a suitable number of nuts. The laterally-extending casting or plate D has formed thereon or rigidly attached thereto an elbow D', which tapers, as shown, and is provided with a perforation, through which passes the threaded stem G, and at about the central portion of this elbow D' is secured by means of a bolt and nut a plate H, the ends of which bear upon the under side of the saw-guide posts F and F', so that when the bolt is tightened the plate H will bear upon the under side of said posts, forcing them against the flat surface of the casting or plate D, to which they are pivoted. On each of said posts F and F', as well as the elbow upon the stem G, are secured nuts, which are adjustable upon the screw-threaded portion of the stem and serve to lock the stem, as well as to hold the guide-posts rigid, and it will be obvious that by properly adjusting these nuts the distance between the ends of the guide-posts can be varied. After the guide-posts are set, should the nuts upon the threaded stem G become loosened they can be readily tightened by turning them, the hand-wheel which lies under the curved plate being held meanwhile.

I am aware that prior to my invention it has been proposed to provide a saw-guide consisting of guide-posts having threaded shafts which engage with the ends of the guide-posts so as to set said jaws relative to each other and to the supporting-frame, and I do not claim such construction, broadly, as my invention.

What I claim as new is—

1. The combination, in a saw-guide, of the plate B, guide-posts attached to a support D,

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bolts for securing the parts adjustably to each other, and a curved plate E, adapted to extend over the hand-wheel of the adjusting mechanism, substantially as set forth.

- 5 2. In combination with the cross piece or plate D, having an elbow D', guide-posts F and F', pivoted on said plate D, a threaded stem G, provided with a hand-wheel, said
10 as well as the guide-posts, and nuts on said stem, the latter, in connection with said nuts, forming adjusting mechanism for the for-

ward curved ends of said posts, substantially as set forth.

3. In combination with the support D, piv- 15
oted guide-posts F and F', adjusting means, as shown, and a cross-bar H, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM G. TUTEN.

Witnesses:

C. L. TUTEN,
R. F. TUTEN.