

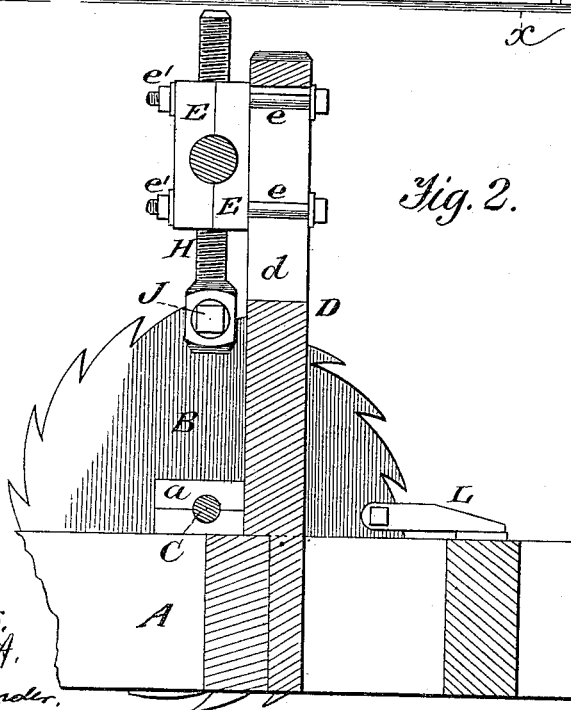
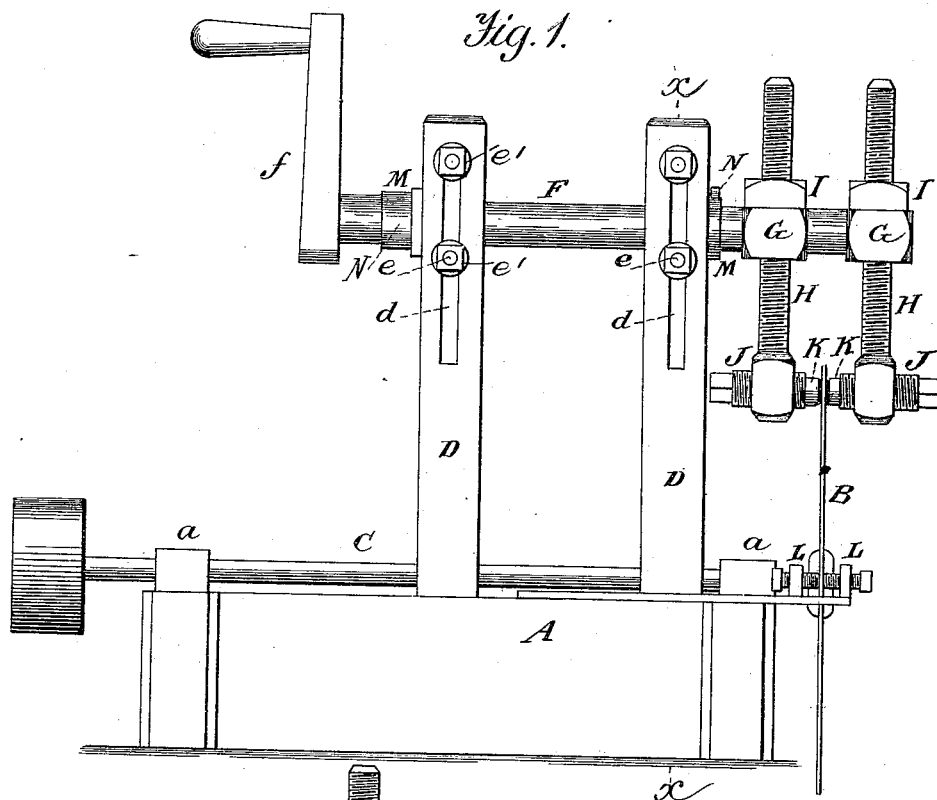
(No Model.)

J. S. ROBINSON.

SAW GUIDE.

No. 381,423.

Patented Apr. 17, 1888.



Witnesses,
A. Ruppert
D. H. Alexander.

Inventor,
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UNITED STATES PATENT OFFICE.

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SAW-GUIDE.

SPECIFICATION forming part of Letters Patent No. 381,423, dated April 17, 1888.

Application filed March 18, 1887. Renewed February 24, 1888. Serial No. 265,629. (No model.)

To all whom it may concern:

Be it known that I, JOHN S. ROBINSON, a citizen of the United States, residing at Mannington, in the county of Marion and State of West Virginia, have invented certain new and useful Improvements in Top Guides for Circular Saws; 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, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

The invention will first be described in connection with the drawings, and then pointed out in the claim.

Figure 1 of the drawings is a front elevation, showing my invention applied; and Fig. 2, a vertical section on line *xx* of Fig. 1.

In the drawings, A represents the base-frame, on which are supported the bearings *a a*, and B is a circular saw made fast on one end of a shaft, C, which turns in the bearings *a a*.

From the base A rise two standards, D D, which are vertically slotted at *d*, while E E are bearings which are adjustably secured to the front of said standards by the bolts *ee* and nuts *e' e'*. The bolts pass through the slots *d*, so as to clamp the bearings E at different altitudes on the standards.

F is a shaft which has a crank-handle, *f*, and is rotated in the bearings E. At and near one end of the shaft F are made the transverse integral nuts G G, through which work the screws H H, clamped thereto by jam-nuts I I.

Each of the screws H is provided with a transverse head-nut, and through these pass toward one another the hollow screws J J, which carry the guides K K. They form a top guide as contradistinguished from the ordinary lateral or side guides, L L. The saw-shaft is provided with a pulley driven by a belt, or it may be rotated by any suitable power.

The crank-shaft F may be held at any longitudinal adjustment in its bearings by the loose collars M and set-screws N.

The special object of my invention is to keep the saw in the log to its true position, or in a perfectly-perpendicular plane.

The guides can be raised or lowered to suit any size of circular saw by means of the jam-nuts.

In sizing down large logs the guide can be raised entirely out of the way by simply turning the crank-shaft, while the bearings of the crank-shaft may be raised or lowered to suit the position of the saw.

What I claim as new, and desire to protect by Letters Patent, is—

The combination, with a circular saw, of the shaft F, having the transverse integral nuts G G, the screws H H, working through said nuts and having transverse head-nuts, the screws J, and the guides K, as and for the purpose set forth.

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

JOHN S. ROBINSON.

Witnesses:

A. RUPPERT,
FRANK M. GREEN.