J. N. BABB.

SAW-GUIDES.

No. 194,027. Patented Aug. 14, 1877.

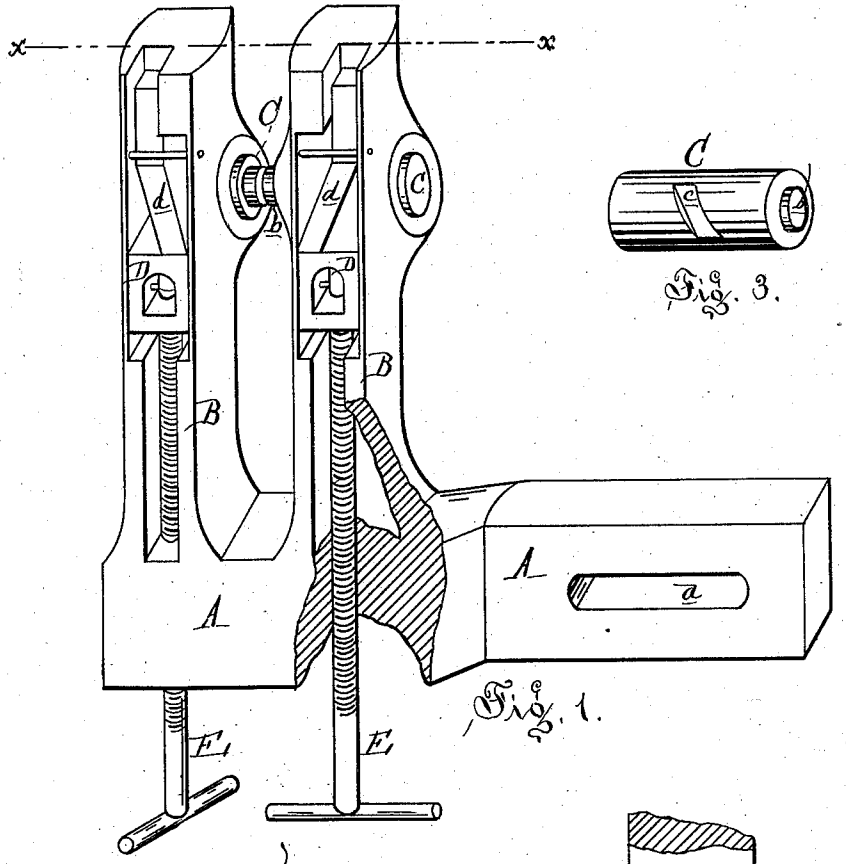


Fig. 1.

Fig. 3.

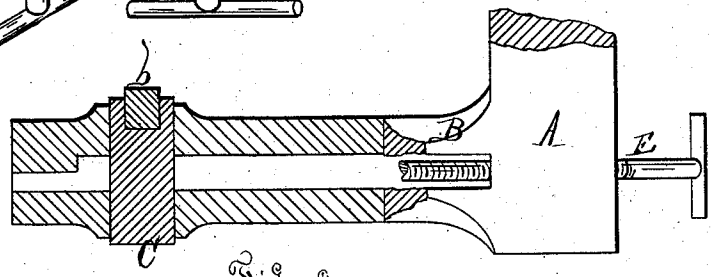


Fig. 2.

Witness:
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Inventor:
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UNITED STATES PATENT OFFICE.

JAMES N. BABB, OF SUMMERFIELD, MICHIGAN.

IMPROVEMENT IN SAW-GUIDES.

Specification forming part of Letters Patent No. **194,027**, dated August 14, 1877; application filed May 28, 1877.

To all whom it may concern:

Be it known that I, JAMES N. BABB, of Summerfield, in the county of Monroe and State of Michigan, have invented an Improvement in Saw-Guides, of which the following is a specification:

The nature of my invention relates to an improvement in guides for circular saws; and has for its object to enable the sawyer to quickly adjust the guides without exposing himself to accidental contact with the saw.

The invention consists in a bracket to be bolted to the carriage, cast with two parallel arms projecting at a right angle from its outer end, and between which the cutting-edge of the saw runs. Each arm carries a laterally-moving guide, actuated by a wedge and screw, as more fully hereinafter set forth.

Figure 1 is a perspective view. Fig. 2 is a horizontal section of one arm at *x x*. Fig. 3 is a detached perspective view of a guide.

In the drawing, A represents a bracket, cast with two parallel arms, B, projecting at a right angle from its outer end. *a* is a slot at its inner end, through which it may be bolted to the side of the carriage. C is a metal guide, sliding in a hole transversely drilled through the outer end of each arm. A socket is formed in the end next the saw, in which is inserted a wooden plug, *b*, which is the guide proper. On the back of the guide C is cut a diagonal slot, *c*, Fig. 3, in which is laid a diagonal rib; *d*, an extension of a block, D, sliding in a cavity in the arm. This block is moved back and forth by a screw, E, tapped through the outer end of the bracket, and this movement of said blocks and their ribs *d* causes the guides to approach and recede from each other, as may be required, to adjust the direction of the saw.

It will be observed that the sawyer can effect his adjustment of the guides while in front of the saw without using a wrench or other tool, the screws being handled for that purpose, and consequently is in no danger of coming into contact with the saw.

I am aware of the patent granted February 22, 1876, to William M. Ferry, and hereby disclaim the same; but

What I claim as my invention is—

The bracket A and its recessed arms B B, and the combination therewith of the guides C C, each having the slot *c* in its back, and the blocks D *d* D *d*, and screws E, constructed and arranged substantially as and for the purpose set forth.

JAMES N. BABB.

Witnesses:

H. F. EBERTS,

H. L. AULLS.