L. A Johnson,

Scroll-Saw Guide.

No. 81,376. Patented Aug. 25, 1868.

Fig 1.

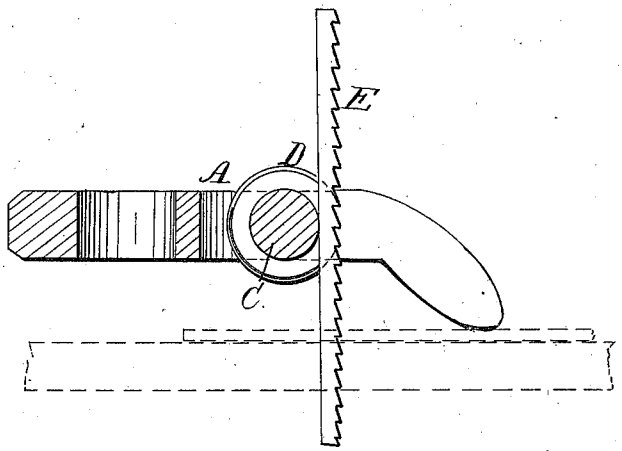
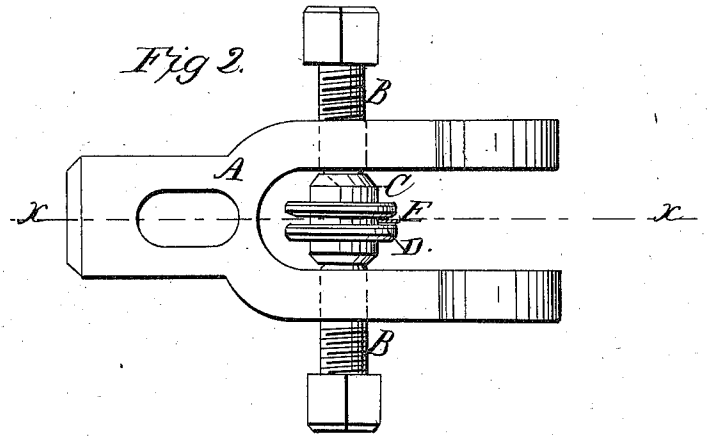


Fig 2.



Witnesses:

Wm A Morgan

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L. A. JOHNSON, OF NEW YORK, N. Y.

Letters Patent No. 81,376, *dated August* 25, 1868.

IMPROVEMENT IN GUIDE FOR SCROLL-SAWS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, L. A. JOHNSON, of New York, in the county of New York, and State of New York, have invented a new and useful Improvement in Guides for Scroll-Saws; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a side sectional view of my invention, taken in the line *x x*, fig. 2.

Figure 2 is a plan or top view of the same.

Similar letters of reference indicate like parts.

This invention relates to a new and improved guide for scroll-saws, whereby the saw is rendered stiff and firm, and prevented while at work from springing either backward or sideways.

Scroll-saws, as is well known, require to be quite narrow and thin, and the stuff, while being sawed in scroll-form, is continually turned, and the saw consequently is very liable to be twisted, and also to be forced or sprung backward in feeding the stuff to it. These difficulties are fully obviated by my improvement.

In the accompanying sheet of drawings, A represents a pressure-clamp, so arranged as to press upon the work to be sawed, and keep it down upon the table. This pressure-clamp is forked, as shown clearly in fig. 2, and each prong of the fork has a screw, B, passing through it. These screws are in line with each other, as shown clearly in fig. 2, and the inner ends of the screws are pointed, or made of conical form, and are fitted in the ends of a shaft, C, on which a roller, D, is firmly keyed, or the roller and shaft may be turned out of a single piece of metal.

The roller D has a grooved periphery, the groove being sufficiently wide to receive the saw E, the back of the latter bearing against the back of the groove, (see fig. 2.)

By this arrangement it will be seen that the roller will prevent the saw from swinging backward, while the stuff is fed towards it, and the roller will also prevent the saw from being twisted, in consequence of the latter working in the groove of the roller. This will be fully understood by referring to fig. 2.

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

The grooved guide-roller D, fitted in the pressure-clamp A, to receive the saw E, substantially in the manner as and for the purpose set forth.

L. A. JOHNSON.

Witnesses:

FRANK BLOCKLEY,

ALEX. F. ROBERTS.