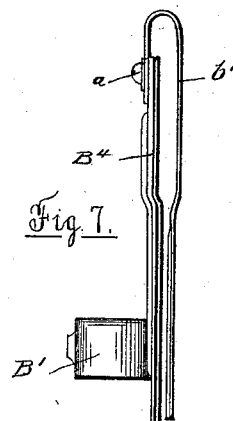
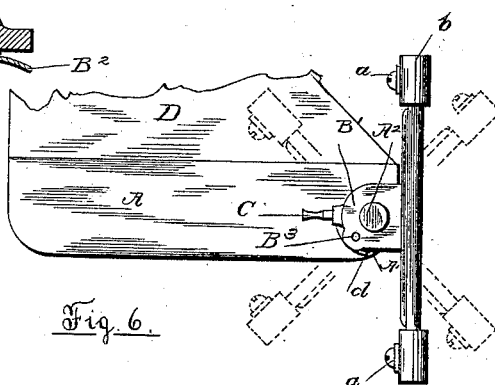
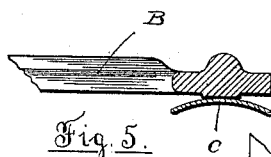
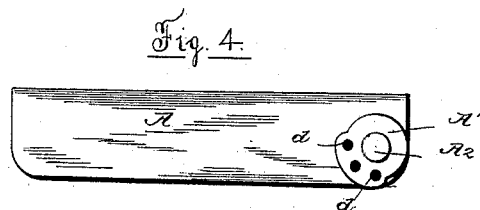
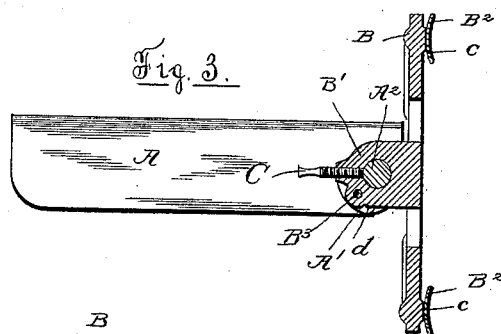
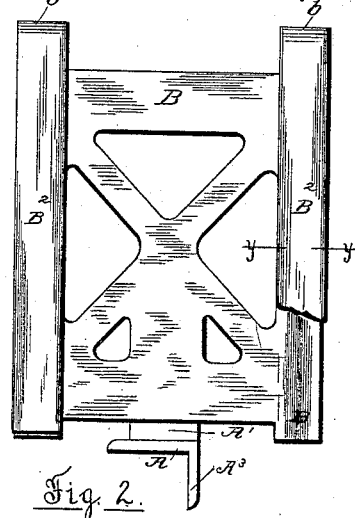
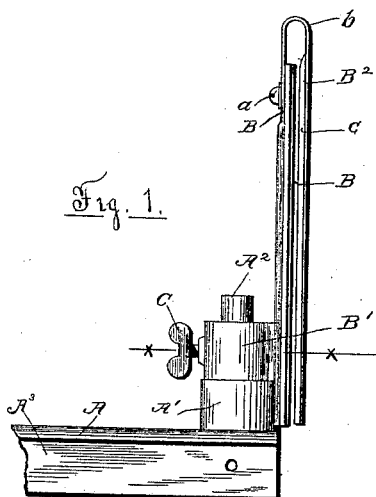


(No Model.)

A. GOULDING.  
SAW GUIDE.

No. 418,177.

Patented Dec. 31, 1889.



Witnesses  
Joseph P. Hornung  
Jona Luther

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# UNITED STATES PATENT OFFICE.

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## SAW-GUIDE.

SPECIFICATION forming part of Letters Patent No. 418,177, dated December 31, 1889.

Application filed May 21, 1889. Serial No. 311,616. (No model.)

*To all whom it may concern:*

Be it known that I, ALFRED GOULDING, a citizen of the United States, residing at Worcester, in the county of Worcester, in the Commonwealth of Massachusetts, have invented certain new and useful Improvements in Saw-Guides, of which the following, in connection with the accompanying drawings, is a specification sufficiently clear and descriptive to enable those skilled in the art to which my invention belongs to make and use the same.

My invention is an improvement on the patent allowed to me April 27, 1889, Serial No. 287,201; and it consists in having the depending flange of the bed-plate formed on the outer edge, so that the work to be sawed will be pressed against the depending flange and not away from it.

It also consists in having the hub formed midway of the frame, in order to make it balance better in handling.

It also consists in providing the frame with sheet-metal strips, which are bent over the top of the frame and fastened to the top of the back side by screws, the loose ends of which lie parallel with and in front of the frame and shallowed out.

The lug of the bed-plate is provided with angle-holes which register with a pin in the hub of the frame.

In the drawings similar letters of reference indicate similar parts throughout the drawings.

Figure 1 represents a front view of my improved device. Fig. 2 represents a side view of the same. Fig. 3 represents a horizontal section on line *x x*, Fig. 1. Fig. 4 represents a partial top view of the bed-piece. Fig. 5 represents a section on line *y y*, Fig. 2. Fig. 6 represents a top view of the device secured to a strip of wood, whereby it may be secured to a work-bench, if desired; and Fig. 7 represents a modified form of the frame and sheet-metal strips adapted to a back-saw.

A denotes the bed-piece, having the depending flange *A*<sup>3</sup> formed on the outer edge and the lug *A*<sup>1</sup> and vertical post or spindle *A*<sup>2</sup> at one end.

B B denote the frame, having a hub *B*<sup>1</sup> formed midway on the lower tie of the frame and adapted to receive the spindle *A*<sup>2</sup>.

*B*<sup>2</sup> denotes the sheet-metal strips, which are bent at *b* over the top of the side plates of the frame and fastened with screws *a*, the loose ends of which lie parallel with the side plates of the frame and in front of the same, and shallowed out, as shown at *c*, so that when a saw is inserted between the sheet-metal strips *B*<sup>2</sup> and the frame *B* the ridges *c* of the strips *B*<sup>2</sup> will serve as guides for the saw, and at the same time press the same against the frame *B* by virtue of spring resistance, as will be clearly understood. By this means the friction will be considerably reduced.

The lug *A*<sup>1</sup> of the bed-plate *A* is provided with a number of holes *d*, which register with and are adapted to receive the pin *B*<sup>3</sup>, secured in the hub *B*<sup>1</sup> of the frame *B*, so that by entering the pin *B*<sup>3</sup> into any one of the holes *d* the angle of the frame *B* with the bed-plate *A* will be varied, and the position of the saw-guiding frame, as illustrated in Fig. 6 by dotted lines, may be obtained. After placing the frame *B* in relation to the bed-plate *A*, as desired, the thumb-screw *C* may be tightened, and thereby the frame *B* and bed-plate *A* will be tightly secured together.

In Fig. 6 *D* denotes a strip of wood fastened to the back side of the depending flange *A*<sup>3</sup>, whereby the saw-guide may be secured to a work-bench. The work to be sawed in that case is to be slipped under the bed-plate *A* and held against the depending flange *A*<sup>3</sup>.

Having thus fully shown and described my invention, what I claim, and desire to secure by Letters Patent, is—

In a saw-guide, the combination of a bed-plate having a depending flange formed on its outer edge with a lug and pin at one end, the saw-supporting frame having its hub formed midway of the frame and hinged on said pin, the frame provided with sheet-metal strips bent up over the top of the frame and fastened to the top of the back side, the loose ends of which hang parallel with and in front of the frame and shallowed out.

ALFRED GOULDING.

Witnesses:

JOSEPH P. YOUNG,  
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