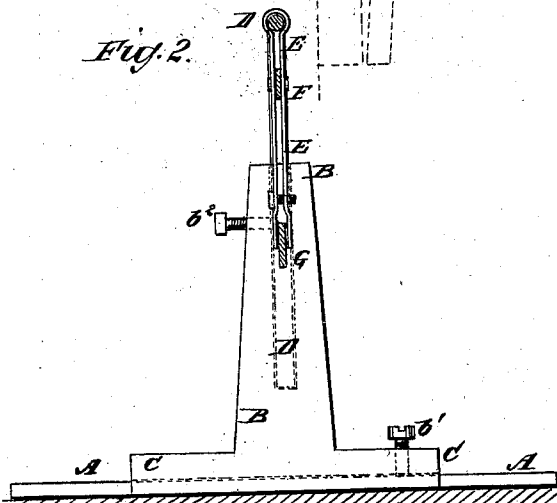
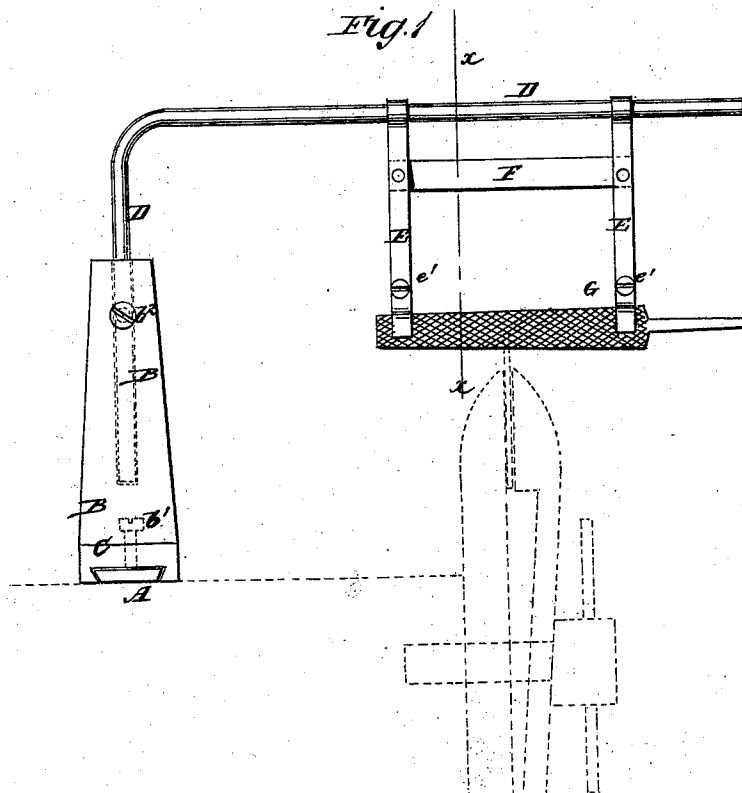


T. N. JORDAN.
Saw-Filing Machine.

No. 209,404.

Patented Oct. 29, 1878.



WITNESSES:

A. Mc Ardle.
C. Sedgwick

INVENTOR:

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BY

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UNITED STATES PATENT OFFICE.

THOMAS N. JORDAN, OF MOBILE, ALABAMA.

IMPROVEMENT IN SAW-FILING MACHINES.

Specification forming part of Letters Patent No. **209,404**, dated October 29, 1878; application filed April 20, 1878.

To all whom it may concern:

Be it known that I, THOMAS N. JORDAN, of the city and county of Mobile, and State of Alabama, have invented a new and useful Improvement in Saw-Filing Machines, of which the following is a specification:

Figure 1 is a side view of my improved machine. Fig. 2 is a vertical cross-section of the same, taken through the line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved machine for holding and guiding the file in saw-filing, so that a saw may be filed with accuracy and dispatch, even if the operator is unskilled, and which at the same time shall be simple in construction, convenient in use, and inexpensive in manufacture.

The invention consists in the combination of the dovetailed base-bar, the perforated post having a dovetailed cross-head upon its lower end and provided with set-screws, the bent rod, and the sliding frame with each other, as hereinafter fully described.

A is a bar, the edges of which are beveled off, giving it a dovetailed form, and which is designed to be secured to the top of the filer's bench.

B is a post, to the lower end of which is attached or upon it is formed a cross-head, C, the lower side of which has a dovetailed groove formed longitudinally in it to receive and fit upon the bar A, as shown in Fig. 1. The post B is perforated longitudinally from its upper end to receive the rod D.

The cross-head C of the post B is secured in place, when adjusted upon the bar A, by a set-screw, *b*¹, and the rod D is secured in the perforation of the post B when adjusted by the set-screw *b*².

The rod D is bent at right angles to receive the frame that holds the file, and which is formed of the two side bars E and the connecting-bar F.

In the upper end of the side bars E are formed eyes to receive, fit, and slide upon the outer part of the rod D. The lower part of the side bars E are made in the form of jaws, as shown in Figs. 1 and 2, so as to receive and hold a file, G, for operating upon the saw. The jaws of the side bars E are drawn together, clamping the file G between them by the clamping-screws *e'*, as shown in Figs. 1 and 2.

The saw to be filed is placed at the side of the filing-bench in the usual way, and the device is adjusted to bring the file to the proper position upon its teeth, when, by moving the frame E F back and forth upon the rod D, the filing will be done quickly and accurately.

This device enables the saw to be filed with perfect accuracy by any one, though unskilled in saw-filing, the teeth all being filed exactly alike. The device may be adjusted to file the teeth at a bevel or straight, as may be desired.

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

The combination of the dovetailed base-bar A, the perforated post B, having a dovetailed cross-head, C, upon its lower end, and provided with set-screws *b*¹ *b*², the bent rod D, and the sliding frame E F with each other, substantially as herein shown and described.

THOMAS NORBERT JORDAN.

Witnesses:

JOSEPH CAIN BANCROFT,
WILLIAM JOHN THORNTON.