(No Model.)

J. A. CHURCH.

SAW JOINTER.

No. 260,663. Patented July 4, 1882.

Fig. 1.

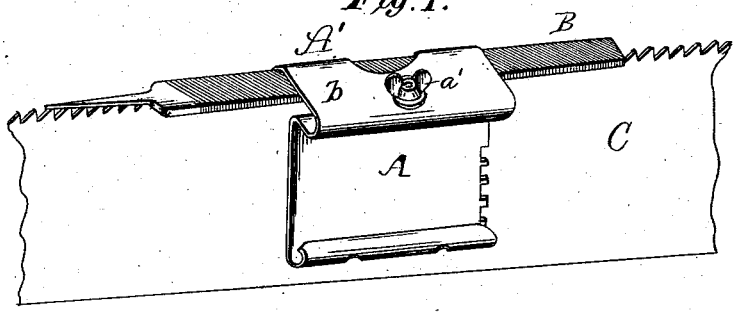


Fig. 2.

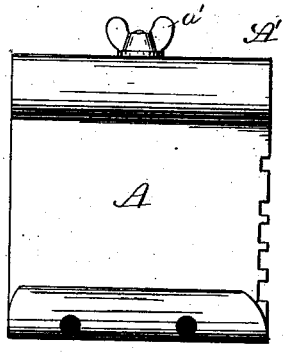


Fig. 3.

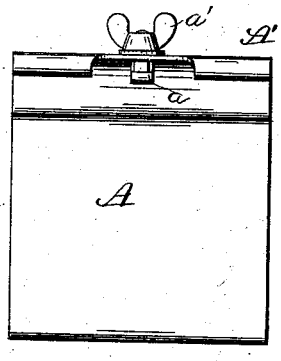
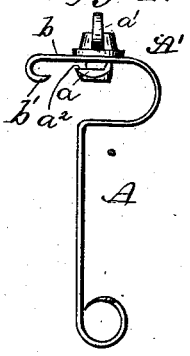


Fig. 4.



Witnesses:
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UNITED STATES PATENT OFFICE.

JOHN A. CHURCH, OF NEVADA CITY, CALIFORNIA.

SAW-JOINTER.

SPECIFICATION forming part of Letters Patent No. 260,663, dated July 4, 1882.

Application filed March 2, 1882. (No model.)

To all whom it may concern:

Be it known that I, JOHN A. CHURCH, a citizen of the United States, residing at Nevada City, in the county of Nevada and State of California, have invented certain new and useful Improvements in Saw Jointers, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to a new and improved article of manufacture in saw-jointers, the construction and operation of which will be hereinafter fully set forth.

In the drawings, Figure 1 is a perspective view of the jointer applied to a saw; Fig. 2, a rear elevation; Fig. 3, a front elevation, and Fig. 4 a side elevation.

The jointer is formed of a single metal plate, of any desired length and breadth, and is struck into the required shape by machinery designed for the purpose. It consists of a flat portion, A, adapted to slide along the side of the saw when the device is in operation, and an upper or jointer portion, A′, which is set at right angles to the flat portion, and is adapted to receive and secure within it the file B. To form the jointer portion, the upper portion of the metal plate hereinbefore specified is bent over at right angles a sufficient distance to allow sufficient metal for the completion of the device. The bent portion is then curved upwardly, and a straight plate, *b*, is extended beyond the surface of the flat surface A, as shown. The outer end of the plate *b* is bent into a hook, *b′*, which secures the file B.

The clamp-bolt *a* is placed through the plate *b*, and is operated by the nut *a′*, as shown. The bolt has a projection, a^2, which fits under the file, and with the hook *b′* secures it in place.

The file B is placed under the plate *b* of the jointer, between the hook *b′* and projection a^2 of the bolt *a*, and is secured firmly in place by tightening up the nut *a′*.

The device is intended to level the teeth of saws when they have become worn and of different lengths, and in operation the flat portion A is placed against the side of the blade, and the file rests upon the top of the teeth, as shown in Fig. 1.

I claim—

The improved saw-jointer, consisting of a single plate, A, of metal, having the upper portion formed as shown in Fig. 4, and provided with the hook *b′*, jointly with the bolt *a*, having a projection, a^2, and tightening-nut *a′*, and file B, substantially as shown and described.

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

JOHN A. CHURCH.

Witnesses:
C. W. CROSS,
JAMES B. JOHNSON.