(No Model.)

J. E. RANDALL.

SAW JOINTER.

No. 420,547. Patented Feb. 4, 1890.

Fig. 1.

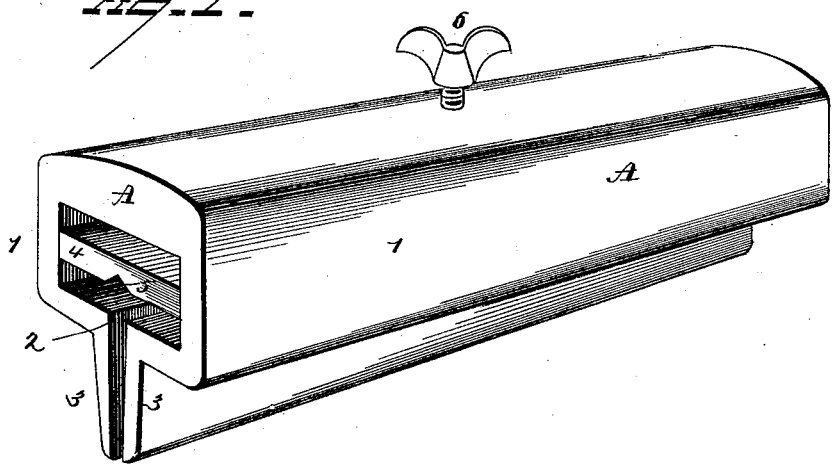
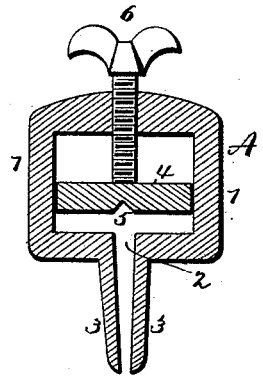


Fig. 2.



Witnesses
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UNITED STATES PATENT OFFICE.

JAMES EDWIN RANDALL, OF DALLAS, TEXAS.

SAW-JOINTER.

SPECIFICATION forming part of Letters Patent No. 420,547, dated February 4, 1890.

Application filed May 26, 1889. Serial No. 312,130. (No model.)

To all whom it may concern:

Be it known that I, JAMES EDWIN RANDALL, of Dallas, in the county of Dallas and State of Texas, have invented certain new and useful Improvements in Saw-Jointers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to an improvement in saw-jointers.

The object is to furnish a device for holding files or similar implements for striking or evening saw-teeth; and it consists in a casing having an opening for the passage of a saw, guide-flanges for retaining the saw in proper position relative to the file, and a movable block for holding the file in position within the casing.

It further consists in certain novel features of construction and combinations of parts, as will be hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view in perspective of my improved saw-jointer, and Fig. 2 is a sectional view.

A represents a casing, which is preferably made of metal, though it may be made of wood, if desired. It has the parallel sides 1 1, and in the longitudinal center of its flat bottom is provided with an opening 2, extending the entire length of the bottom. This opening is made a little wider than an ordinary saw-blade to allow for the set of the teeth, so that they may pass without striking and scratching. A pair of parallel or nearly parallel flanges 3 3 extend outward from the bottom adjacent to the opening, and are adapted to receive a saw between them and guide it in its movement, keeping it perpendicular to the file.

Within the casing the movable block 4 is fitted and adapted to be moved up and down to receive and hold files of different size and shape. This block is provided in its lower face opposite the opening 2 with a V-shaped groove 5, which is intended to receive one of the edges of an ordinary triangular file, so that one of the flat sides is held over the opening. A screw 6 extends through the top of the casing into the block, and when turned raises or lowers the block to suit the size of the file.

The jointer is made especially applicable to the use of three-cornered files, because just the portion which is used in this device is that which is never worn in sharpening the teeth of saws—namely, the portion midway between the edges; but I by no means confine myself to the use of this particular form of file, as it will be seen from the construction and size of the casing that ample space is intentionally made for the reception of any kind or shape of file—such, for instance, as a flat file—the movable block always acting as a clamp to hold the file in place.

Of course it is understood that to straighten the teeth of a saw the latter is placed between the flanges and reciprocated with the teeth against the file, or else the saw may be held and the holder or jointer reciprocated, the effect being the same—namely, to always strike the teeth at right angles to the blade.

It is evident that slight changes might be resorted to in the form and arrangement of the several parts described without departing from the spirit and scope of my invention, and hence I do not wish to limit myself to the particular construction herein set forth; but,

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

1. In a saw-jointer, the combination, with a casing having an opening in the longitudinal center of one of the sides, of a movable block fitted in the casing back of the opening, said block having a groove therein opposite the opening, and an adjusting-screw extending through the casing into the block and adapted to regulate the position of the block, substantially as set forth.

2. The combination, with a casing having parallel sides and an opening formed in the longitudinal center of the casing and parallel flanges adjacent to the opening and at right angles to that portion of the casing in which the opening is formed, of a movable

block fitted within the parallel sides back of the opening, said block having a V-shaped groove in the face nearest the opening in the casing and in corresponding positions thereto, and a screw extending through the casing into the block, whereby the block is moved, substantially as set forth.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

JAMES EDWIN RANDALL.

Witnesses:

F. M. ADAMS,

C. C. CLEMANS.