

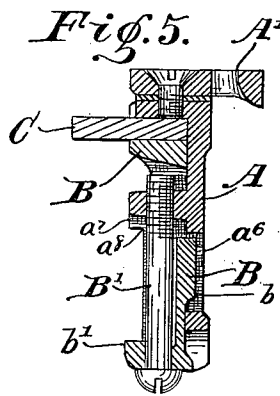
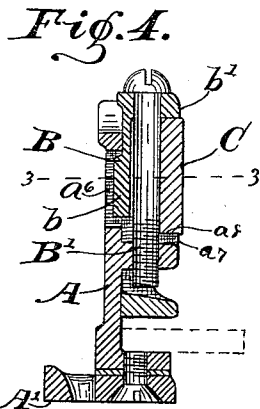
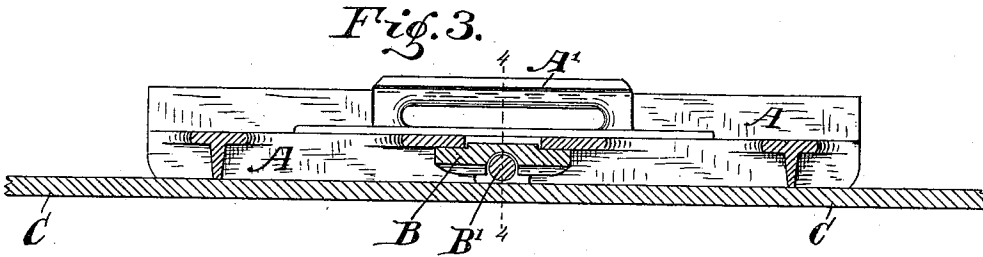
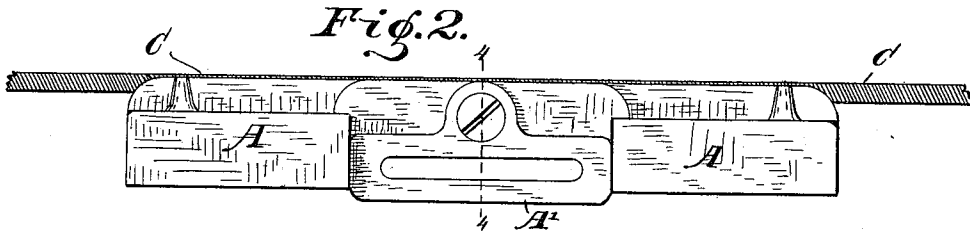
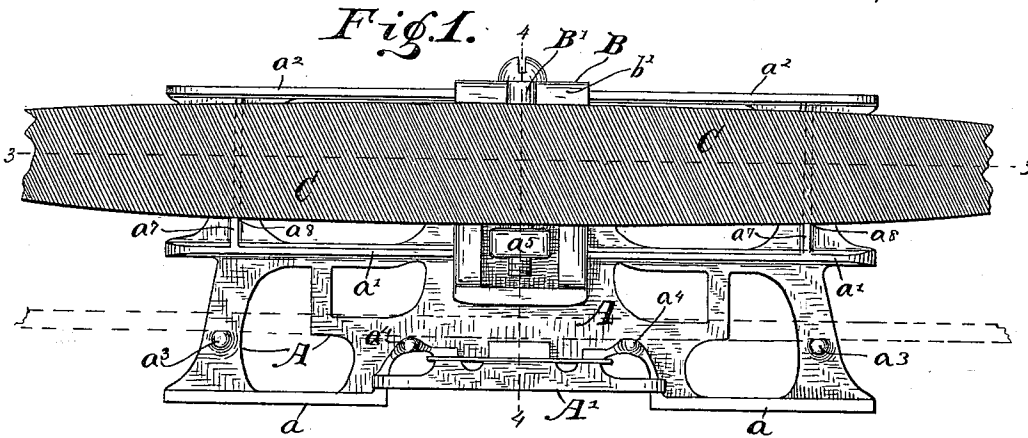
(No Model.)

R. E. POINDEXTER.

SAW JOINTER.

No. 377,328.

Patented Jan. 31, 1888.



Witnesses.

Cha<sup>s</sup> Leonard.  
Charles L. Thurber.

Inventor

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# UNITED STATES PATENT OFFICE.

ROBERT E. POINDEXTER, OF INDIANAPOLIS, INDIANA.

## SAW-JOINTER.

SPECIFICATION forming part of Letters Patent No. 377,328, dated January 31, 1888.

Application filed October 25, 1887. Serial No. 253,288. (No model.)

*To all whom it may concern:*

Be it known that I, ROBERT E. POINDEXTER, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented certain new and useful Improvements in Saw-Jointers, of which the following is a specification.

My present invention relates to certain improvements in that class for which Letters Patent No. 246,414 were granted me August 30, 1881, consisting, essentially, in the application of a new clamp to the block of the saw-jointer therein shown, whereby I am enabled to secure the file in said block in position not only to joint the points of the saw-teeth, but also in position whereby it is adapted for use in dressing the sides of the saw, as will be hereinafter more particularly described.

Referring to the accompanying drawings, which are made a part hereof, and on which similar letters of reference indicate similar parts, Figure 1 is a front elevation of the tool constructed after my improved plan; Fig. 2, a top or plan view of the same; Fig. 3, a longitudinal section on the dotted line 3 3 in Fig. 1; Fig. 4, a vertical section on the dotted lines 4 4, showing the file in the position it occupies when used to dress the sides of the saw-teeth; and Fig. 5, a similar view showing the file in the position for jointing the points of the teeth.

In said drawings the portions marked A represent the block, B the clamp for holding the file, and C said file.

The construction of the block or skeleton-frame is not much different from that shown in my patent above referred to, it being provided with the gage-plate A' and flanges  $a$ ,  $a'$ , and  $a^2$  and lugs and bearings  $a^3$  and  $a^4$ , arranged as therein shown. The central part of the flanges  $a'$  and  $a^2$  are cut out to form a way for the clamp, and at the center is cast a lug,  $a^5$ , with an internally-screw-threaded perforation with which the clamp-screw engages. A slot,  $a^6$ , is also formed in the back of the block, in which a lug on the back of the clamp is arranged to slide. Vertical flanges  $a^7$ , provided with shoulders  $a^8$ , are also provided to serve as rests for the lower edge of the file when in the flat position.

The clamp B is simply a sliding piece mounted in the vertical way formed in the flanges  $a'$  and  $a^2$ , having a lug or projection on its rear side which fits into the slot  $a^6$  in the block. At its top it is provided with a flange,  $b'$ , which is notched or perforated to receive the clamp-screw B', which extends down through said notch or perforation in the flange into the screw-threaded lug  $a^3$ , which is surrounded by the clamp, as shown, and thus is adapted to operate said clamp, as will be now described.

The operation of my said invention is as follows: When it is desired to use the tool for the purpose of dressing the sides of the saw, the file is secured in the position shown in Fig. 1, between the flange  $b'$  of the clamp and shoulders or rests  $a^8$ . The clamp-screw is then operated to force the clamp B down, securing said file rigidly in position. When it is desired to use the tool for jointing the points of the teeth, the file is placed in position, resting upon the lugs  $a^3$  and bearings  $a^4$  below the lower end of the clamp, and said clamp then forced down by means of the screw B' to secure said file in position and curve it, if desired.

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

1. The combination, with the block A, formed with appropriate rests for the file, of the clamp B, constructed to secure said file in position when laid into said block either in a flat position or on its edge, substantially as set forth.

2. The combination, with the block A, formed with the bearing-points  $a^3$ ,  $a^4$ , and  $a^7$ , of the clamp B, mounted to slide in the way formed in said block, and a screw for operating the same, said clamp being formed with a flange,  $b'$ , at its top adapted to engage with the edge of the file when placed in said block in a flat position, and with a clamping-piece at its bottom adapted to engage with the side of said file when placed in said block edgewise.

3. The combination, with the block A, constructed substantially as shown and described, of the block B, mounted in a way formed therein and formed with an upper and lower

clamping-jaw engaging with the file when in  
different positions, and the clamping-screw B,  
extending down through a notch or perfora-  
tion formed in said block and engaging with a  
5 screw-threaded lug, *a*<sup>5</sup>, formed on said block,  
substantially as set forth.

In witness whereof I have hereunto set my

hand and seal, at Indianapolis, Indiana, this  
20th day of October, A. D. 1887.

ROBERT E. POINDEXTER. [L. S.]

Witnesses:

E. W. BRADFORD,

CHARLES L. THURBER.