(No Model.)

# F. B. FITZPATRICK.

## SAW JOINTER.

No. 318,713. Patented May 26, 1885.

Fig. 1.

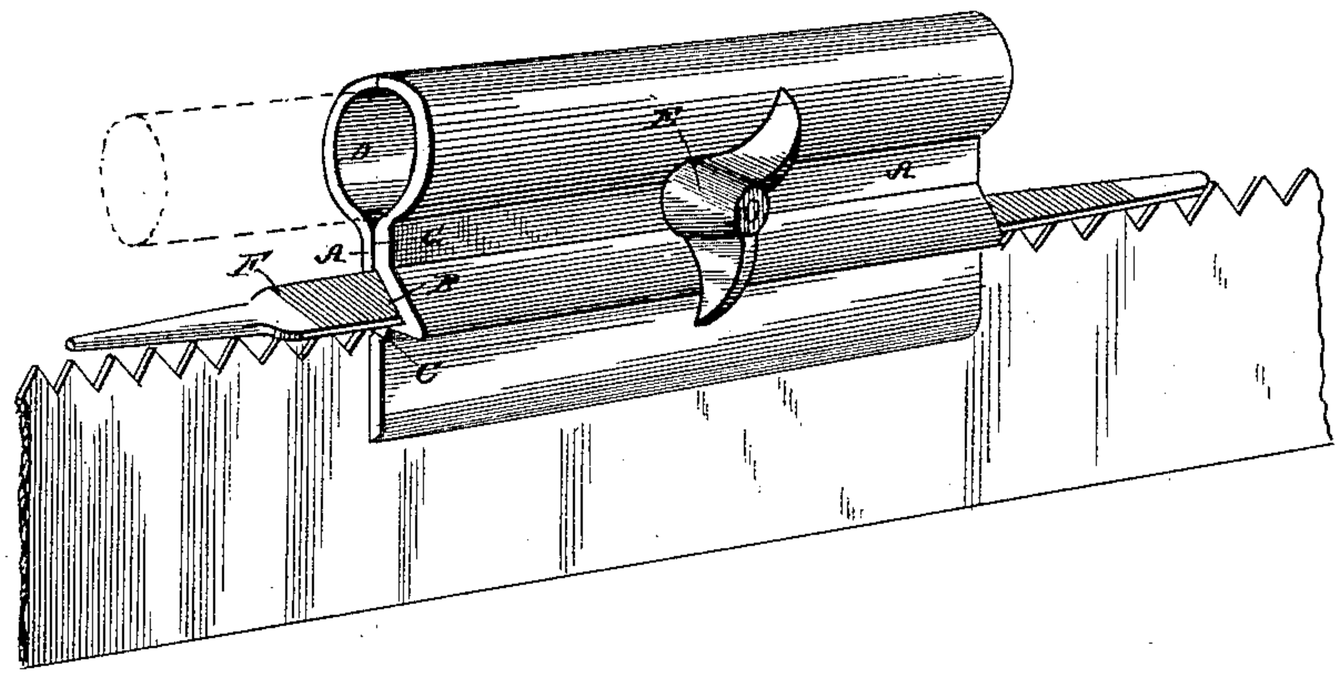



Fig. 2.

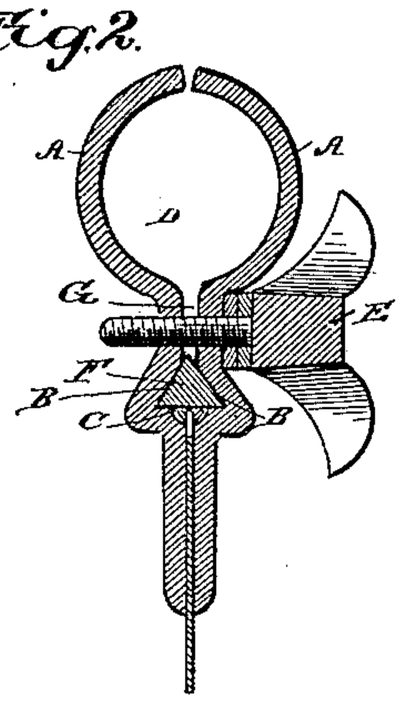
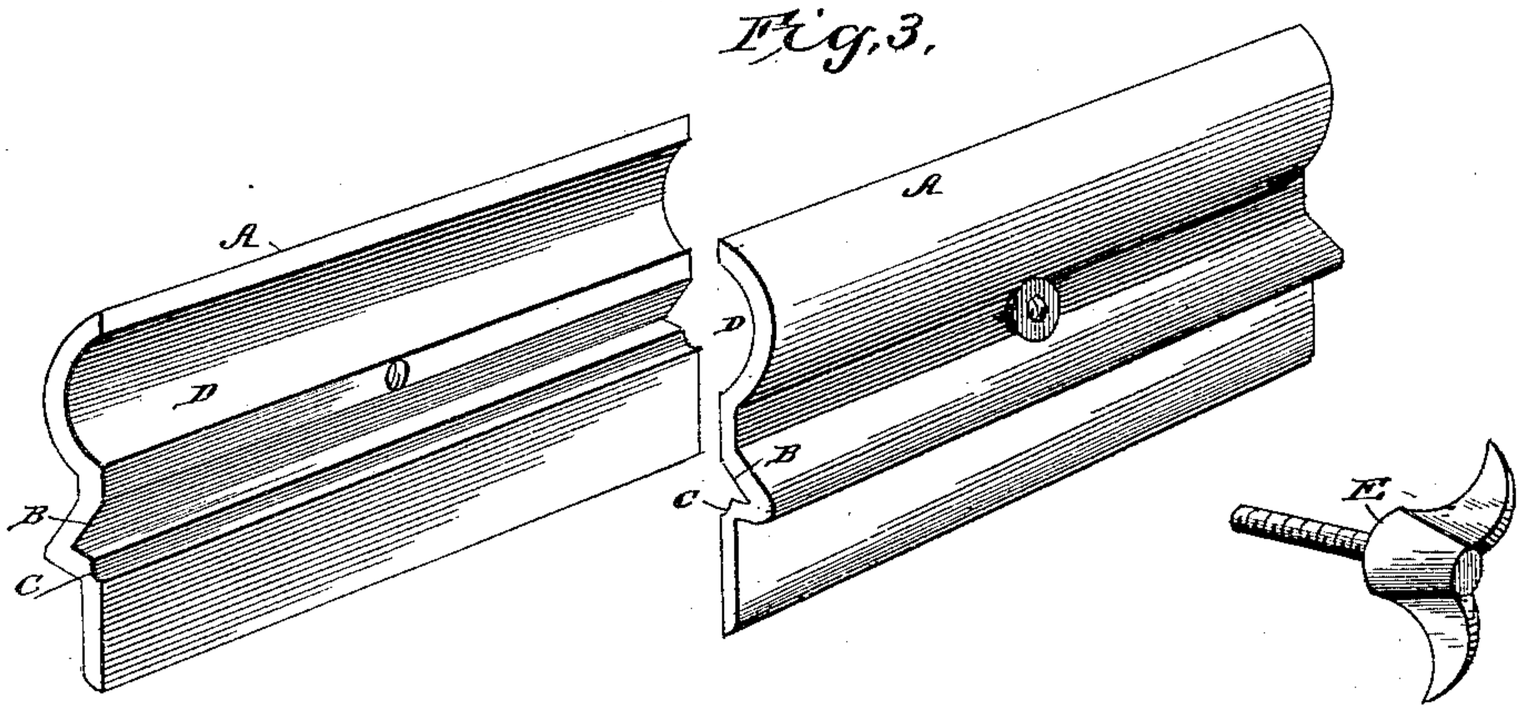



Fig. 3.




WITNESSES:

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# UNITED STATES PATENT OFFICE.

FRANCIS B. FITZPATRICK, OF DALLAS, TEXAS.

## SAW-JOINTER.

SPECIFICATION forming part of Letters Patent No. 318,713, dated May 26, 1885.

Application filed April 7, 1885. (No model.)

*To all whom it may concern:*

Be it known that I, FRANCIS B. FITZPATRICK, a citizen of the United States, and a resident 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 that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a perspective view of my improved saw-jointer, showing it in operation. Fig. 2 is a cross-section of the jointer, and Fig. 3 is a perspective view showing the parts of my jointer separated.

Similar letters of reference indicate corresponding parts in all the figures.

My invention has relation to that class of saw-jointers in which a file is clamped between two plates or castings adapted to be straddled upon the saw-blade and to be reciprocated upon the ends of the teeth of the same, causing the saw to file off the ends of the saw-teeth in one level; and it consists to that end in the improved construction and combination of parts of the same, as hereinafter more fully described and claimed.

In the accompanying drawings, the letters A A indicate the plates or castings, which are formed with longitudinal grooves B B in their inner faces, which grooves will form a triangular perforation when the castings are seen in cross-section. The lower portions of the inner faces of the castings are cut away to form a longitudinal groove, C, at a right angle to the lower sides of the grooves B. The upper portions of the castings are curved to form each one-half of a socket, D, and the castings are held adjustably together by means of a screw, E, passing through the castings between the grooves B and the curved portions D. A triangular file, F, may be inserted into the perforation formed by the grooves B, and may be clamped by tightening the screw, and the downwardly-facing side of the file will be at right angles to the sides of the groove C, between which sides the saw-blade is placed. It will now be seen that by reciprocating the clamp and file upon the saw-blade or by reciprocating the saw-blade in the groove of the clamp the ends of the teeth of the saw will be filed level by the file, and it will also be seen that the socket formed by the upper portions of the castings may serve either for the insertion of a handle, or the entire clamp may be secured upon a rigid rod by clamping the socket around it.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

The combination of two castings having longitudinal triangular grooves upon their inner facing sides, having the lower portions of their inner facing sides cut away to form a longitudinal groove, B, and having the upper portions of their inner facing sides bulged to form longitudinal halves of a socket, with a screw passing through the castings in the space between the bulged socket portions and the longitudinal grooves, the said grooves being adapted to receive a triangular file having its lower face at right angles to the sides of the groove B, as and for the purpose shown and set forth.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

FRANCIS B. FITZPATRICK.

Witnesses:

THOMAS UNDERWOOD,

JOHN PAUL.