

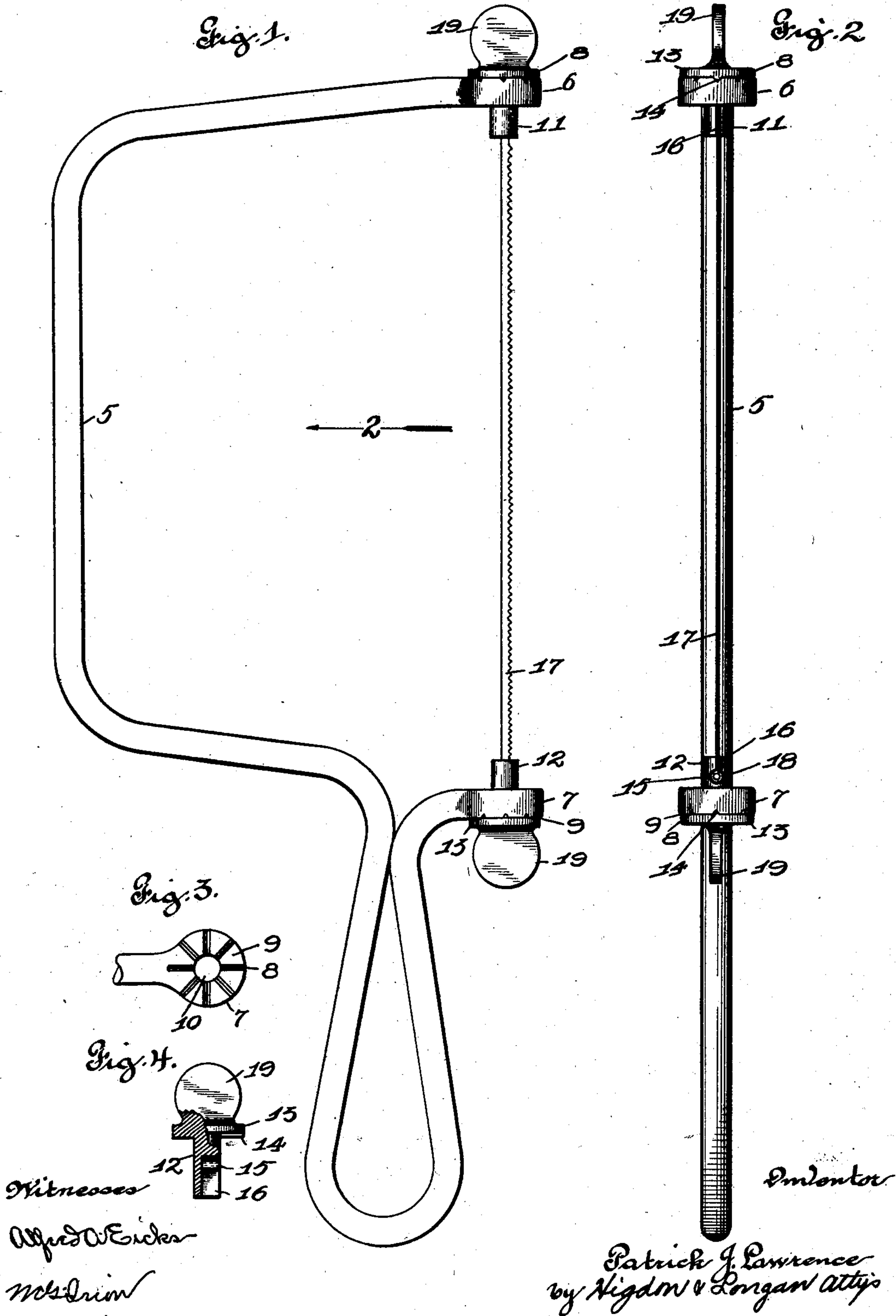
No. 747,735.

PATENTED DEC. 22, 1903.

P. J. LAWRENCE.
COPING SAW.

APPLICATION FILED MAY 19, 1902.

NO MODEL.



UNITED STATES PATENT OFFICE.

PATRICK J. LAWRENCE, OF ST. LOUIS, MISSOURI.

COPING-SAW.

SPECIFICATION forming part of Letters Patent No. 747,735, dated December 22, 1903.

Application filed May 19, 1902. Serial No. 108,002. (No model.)

To all whom it may concern:

Be it known that I, PATRICK J. LAWRENCE, of the city of St. Louis, State of Missouri, have invented certain new and useful Improvements in Coping-Saws, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My object is to construct an improved coping-saw; and my invention consists of an integral handled elastic frame, bearing-blocks rigidly attached to the frame, locking-faces having radial grooves on the outer sides of said bearing-blocks, saw-clamps rotatably mounted in said bearing-blocks, locking-faces having radial ribs upon the saw-clamps to engage the bearing-block locking-faces, and handles upon the saw-clamps for adjusting the saw to any desired angle.

Figure 1 is a view in elevation of my improved coping-saw. Fig. 2 is an edge view as seen looking in the direction indicated by the arrow in Fig. 1. Fig. 3 is a detail in elevation of one of the bearing-block locking-faces. Fig. 4 is a sectional detail on one of the saw-clamps.

Referring to the drawings in detail, the elastic frame 5 is made of a single piece of metal, as shown, and has bearing-blocks 6 and 7 in longitudinal alinement, and each bearing-block has grooves 8 in its outer side to form the locking-faces 9, and each bearing-block has a central opening 10. The saw-clamps 11 and 12 are circular bodies rotatably mounted in the openings 10. Flanges 13 pro-

ject outwardly from the clamps 11 and 12 and form heads, and radial ribs project from said flanges 13 and form the locking-faces 14 to engage the locking-faces 9 upon the bearing-blocks. Circular recesses 15 are drilled into the clamps, and slots 16 lead from the recesses 15 to the points of the clamps, and the saw 17 has its ends bent to form the heads 18, and said heads are inserted in the recesses 15 with the saw in the slots 16. The handles 19 extend from the heads 15 and serve as a means of rotating the clamps in the bearing-blocks, so as to turn the saw in any desired angle. The saw-blade is placed in position in the clamps, and the expansion of the frame holds the saw in position and holds the locking-faces together to prevent the rotation of the clamps in the bearing-blocks.

I claim—

The improved coping-saw, comprising an integral frame and handle therefor made from a single piece of metallic rod unbroken throughout its length, and having the integral bearing-block 7 projecting below the handle and formed by one integral projecting end of said rod, a bearing-block integral with the other end of said rod, and saw-clamps mounted in said bearing-blocks, substantially as specified.

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

PATRICK J. LAWRENCE.

Witnesses:

ALFRED A. EICKS,
JOHN C. HIGDON.