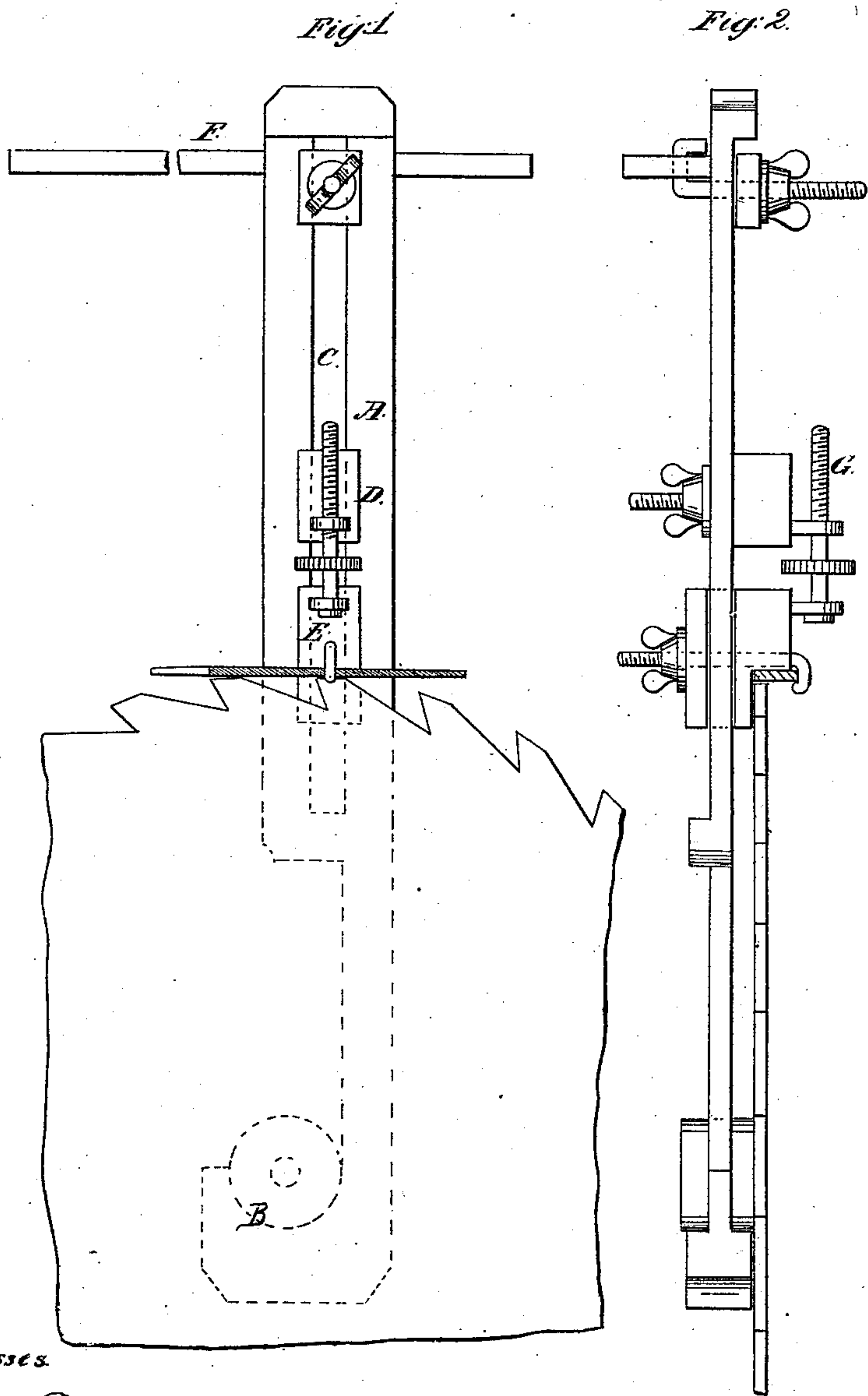


J. France,
Sharpening Reciprocating Saws.
N^o 82,508. *Patented Sep. 29, 1868.*



Witnesses.

Gustave Dieckrich

G. C. Cotton

Inventor.

J. France

per M. L. & Co.
Attorneys

United States Patent Office.

ISAAC FRANCE, OF PERU, INDIANA.

Letters Patent No. 82,508, dated September 29, 1868.

IMPROVEMENT IN APPARATUS FOR JOINTING CIRCULAR SAWS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, ISAAC FRANCE, of Peru, in the county of Miami, and State of Indiana, have invented a new and useful Improvement in Apparatus for Jointing Circular Saws; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 represents a side elevation of my improved apparatus, and

Figure 2 represents a plan view of the same.

Similar letters of reference indicate like parts.

The object of this invention is to provide an improved apparatus for jointing the teeth of circular saws.

It consists of an attachment to be applied to the mandrel of the saw at one end, the other projecting beyond the cutting-points of the teeth, parallel with the side of the saw, and supporting a slide, whereon a file is secured, in such a manner that it may be fed up against the teeth, to dress those projecting down to the line of the shortest ones.

A represents a strip of wood or metal, provided with a hooked end, at B, to fit over the saw-mandrel at the side of the saw. It is provided with a slot, C, wherein the slides D and E are adjustably secured, and also with an adjustable support, F, for the front end.

The slide D is arranged to be secured at any point on the part A by a set-screw, and the slide E is connected to it by a screw, G, whereby the said slide E may be screwed back and forth.

The slide E is provided with a file, which is clamped to it by a set-screw, and so arranged that it may be forced against the points of the teeth when the saw is set into motion.

By this arrangement, the points of the saw-teeth may be readily jointed, as will be understood without further description.

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

The slide-support A, arranged to be connected to the saw-mandrel, and provided with the support F and slides D and E, substantially as and for the purpose set forth.

ISAAC FRANCE.

Witnesses:

W. W. KILGORE,
DAVID WILHELM.