

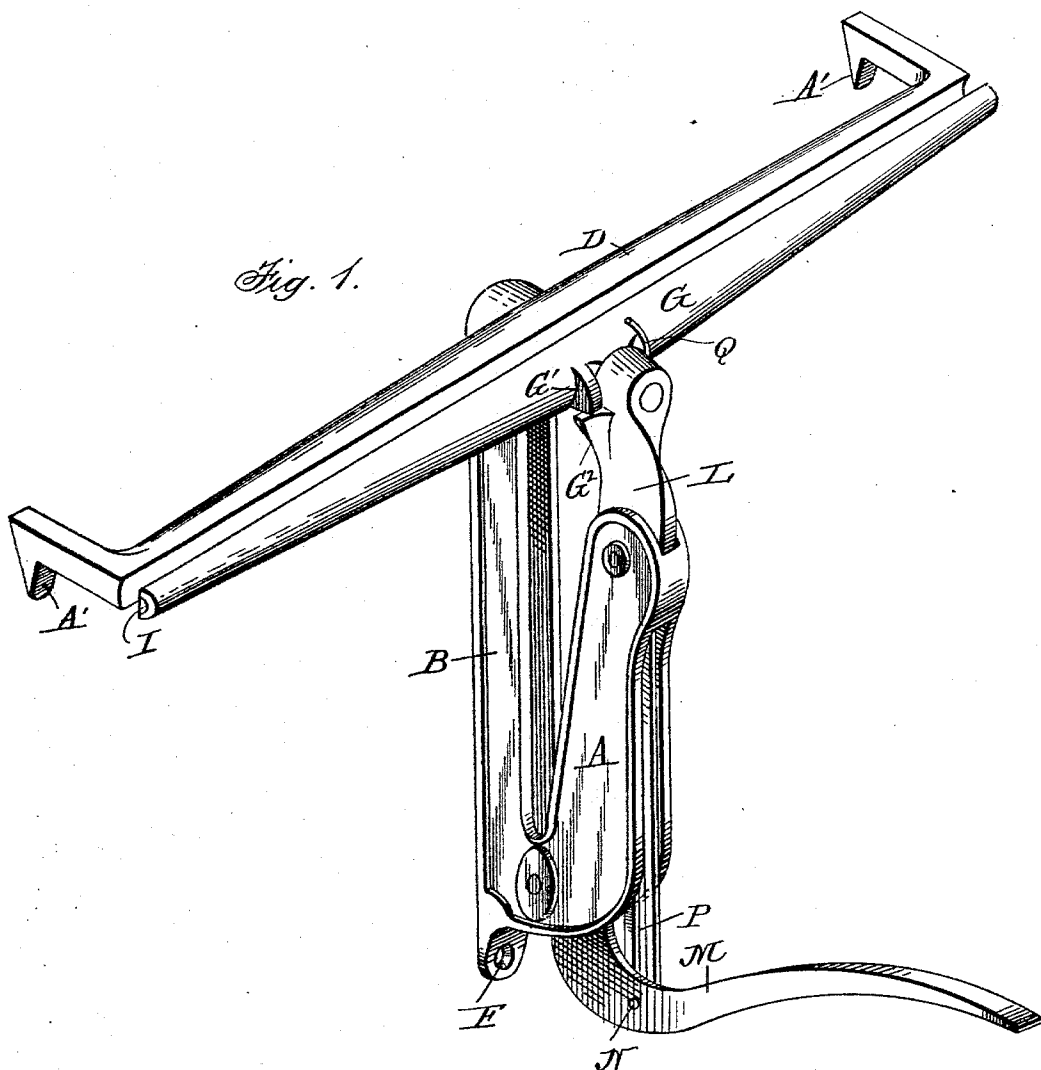
(No Model.)

2 Sheets—Sheet 1.

A. T. BINKERD.
SAW CLAMP.

No. 571,742.

Patented Nov. 24, 1896.



Witnesses:
F. L. Ourgand
J. J. Smith

Inventor:
Aaron I. Binkerd
By *A. R. Williams*
Attorney.

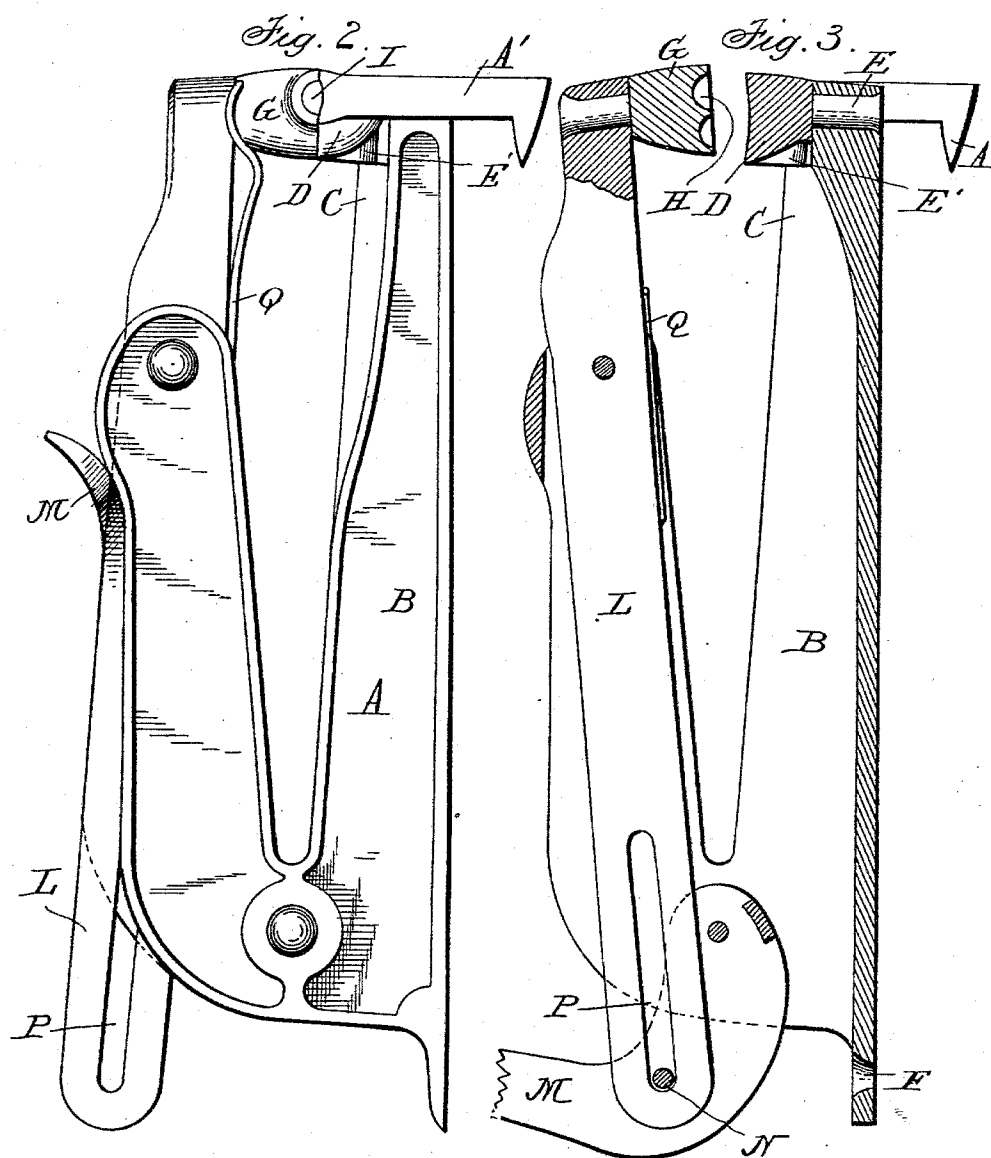
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Witnesses:
F. L. Osgood.
A. B. Smith

Inventor:
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UNITED STATES PATENT OFFICE.

AARON THOMAS BINKERD, OF ALLEGHENY, PENNSYLVANIA.

SAW-CLAMP.

SPECIFICATION forming part of Letters Patent No. 571,742, dated November 24, 1896.

Application filed January 31, 1896. Serial No. 577,522. (No model.)

To all whom it may concern:

Be it known that I, AARON THOMAS BINKERD, a citizen of the United States, residing at Allegheny, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Saw-Clamps; and I do 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.

This invention has for its objects, among others, to provide a simple and cheap saw-clamp that can be folded so as to occupy but a minimum space and which can be quickly and firmly fastened in position upon a bench or other support and which is practically self-fastening and is an improvement on a similar device patented to me July 16, 1895, No. 542,819, to which reference is made.

Other objects and advantages of the invention will be obvious from an inspection of the description hereinafter more fully set forth.

In the drawings, Figure 1 is a view in perspective, showing the saw-clamp in position for use. Fig. 2 is an elevation showing the saw-clamp folded or in the closed position. Fig. 3 is a vertical section taken transversely on one side of the operating-levers.

Like letters of reference indicate like parts throughout the several views.

Referring now to the details of the drawings by letter, A designates the body portion of the clamp, which is cast hollow throughout its major portion to render it as light as possible and at the same time afford the requisite strength to withstand all ordinary uses to which it may be subjected. The upper end of the rear part B of the body portion A is provided with a shoulder or stop C, and immediately above the stop C the rear jaw D of the clamp is pivoted through its middle portion at E to the upright or part B of the body portion. The rear jaw D is provided on its rear face with a shoulder or stop E', which engages the shoulder or stop C when the saw-clamp is in position for use. The ends of the rear jaw D are bent backwardly at right angles to the main portion of said rear jaw D and are provided with spurs A', which are de-

signed to be driven into the bench or other support upon which the saw-clamp is to be fastened when in use. The lower end of the rear part B of the body portion A is provided with a hole F for the passage of a screw for securing the saw-clamp in place when it is desired to locate it permanently.

The front jaw G of the clamp is cast with a groove extending throughout its length on its rear face, and this groove H is filled at each end for a short distance with rubber, wood, cork, or the like, which form sound-deadeners I, which lessen the sound when an operator or workman is filing a saw held in the saw-clamp. The front jaw G is pivoted to the upper end of a slotted lever L, which is fulcrumed in the upper end of the shorter arm of the hollow standard. The front jaw G is provided with a shoulder G', which abuts against a shoulder G² on the upper portion of the slotted lever L when the jaw G is in a horizontal position. Near the lower end of the standard is fulcrumed a lever M, which is provided on one side, preferably near its middle, with a stud N, which projects into the slot P of the lever L and moves up and down therein when said lever M is operated to open and close the jaws of the saw-clamp. The slotted lever L is provided near its upper end with a spring Q, which normally bears upon the semicircular front face of the front jaw of the saw-clamp and holds it in the horizontal position, that is, the position it occupies when in use, but at the same time permits it to be turned into the folded position, preferable for storage or transportation. The left end of the front bar or jaw is heavier than the other end of said bar or jaw, the extra weight causing said jaw to be normally held parallel with the rear jaw when in position for use. The spring secured to the slotted lever-arm serves to hold the front jaw steady and parallel with the rear jaw when the saw-clamp is in the working position.

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

A saw-clamp, comprising the body portion A, the rear portion B thereof provided with shoulder C, jaw D pivoted at E and provided

with shoulder E' and securing-spurs, slotted lever L pivoted to the front arm of the body portion and provided with shoulder G², jaw G pivoted to said lever and provided with 5 shoulder G', lever M pivoted to the frame and in operative engagement with lever L and spring Q attached to said lever L and normally bearing upon jaw G to hold said jaw in

horizontal position, substantially as shown and described. 10

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

AARON THOMAS BINKERD.

Witnesses:

E. G. BINKERD,
HARRY N. LEES.