

No. 815,462.

PATENTED MAR. 20, 1906.

J. McLEAN.
 APPARATUS FOR HOLDING SAWS.
 APPLICATION FILED AUG. 28, 1903.

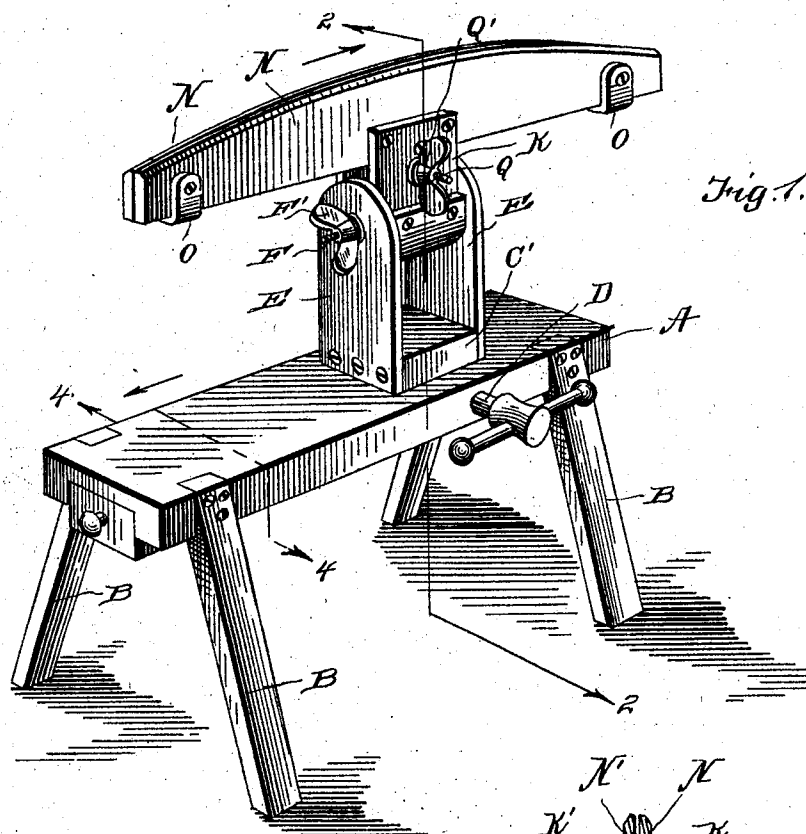


Fig. 1.

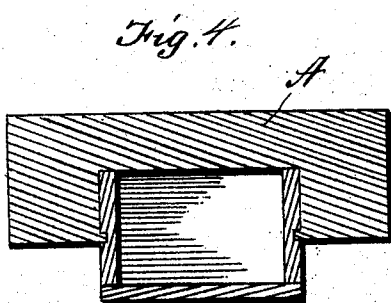


Fig. 4.

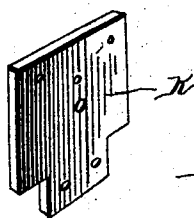


Fig. 5.

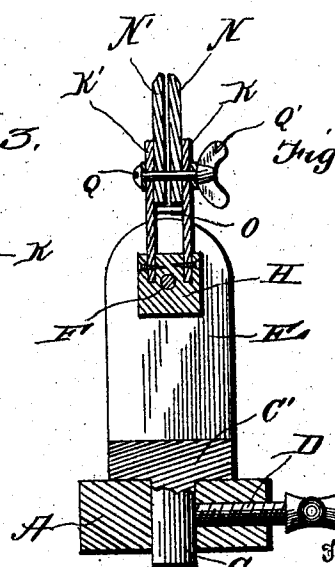


Fig. 2.

Witnesses
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APPARATUS FOR HOLDING SAWS.

No. 815,462.

Specification of Letters Patent.

Patented March 20, 1906.

Application filed August 28, 1903. Serial No. 171,135.

To all whom it may concern:

Be it known that I, JOHN McLEAN, a subject of the King of Great Britain, residing at Manistique, in the county of Schoolcraft and State of Michigan, have invented certain new and useful Improvements in Apparatus for Holding Saws; 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, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in apparatus for holding saws while being filed; and the object of the invention is to produce a device of this character whereby the saw may be tilted and held in different angles convenient to operate upon the same by the person sitting upon the bench forming a part of the apparatus.

The invention consists, further, in various details of construction, combinations, and arrangements of parts; as will be hereinafter fully described and then specifically defined in the appended claim.

My invention is illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of my improved apparatus for holding saws. Fig. 2 is a vertical sectional view on line 2 2 of Fig. 1. Fig. 3 is a detail view of one of the clamping-plates, and Fig. 4 is a sectional view on line 4 4 of Fig. 1.

Reference now being had to the details of the drawings by letter, A designates a bench mounted upon legs B, and C designates a round shank portion of the swivel member having a squared top C'. Said shank portion C is mounted to turn in a similar-shaped aperture in the top of the bench, and an adjusting-screw D, mounted in a horizontally-disposed threaded aperture in the top of the bench, is adapted to frictionally engage the circumference of said shank portion to hold the same in an adjusted position.

Plates E, secured to opposite edges of said head C', support a bolt F, upon which a winged nut F' is mounted. The plates E are somewhat flexible, whereby as the winged nuts tighten against the same the two plates will be drawn together, the bolt engaging the plate on the opposite side of the head. A

block H (shown clearly in Fig. 2 of the drawings) is mounted to turn upon said bolt, and plates K are fastened to said block and are slightly flexible and are fastened to the horizontally-disposed clamping-jaws N and N', which are connected together by means of straps O, made of leather or other suitable material. A headed bolt Q passes through registering apertures in said plates K K' and the clamping-jaws and the winged nut Q', mounted upon the threaded nut in said bolt Q, whereby the two clamping-jaws may be drawn together when the nut is tightened to securely hold the saw to be filed by said jaws.

In operation it will be observed that a saw clamped by the jaws may be held either in a horizontal position or tilted at an angle, or by the provision of the swivel member the saw may be swung around in the horizontal axis, providing means for holding the saw at any angle to the operator sitting on the bench or located adjacent thereto.

While I have shown a particular construction of apparatus embodying the features of my invention, it will be understood that I may make alterations in the detailed construction of the same without in any way departing from the spirit of the invention.

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

A saw-holding apparatus comprising in combination with a bench, a swivel-headed post mounted thereon, flexible plates secured to two of the opposite faces of the head of said post, the lower ends of said plates flush with the lower face of said head, a headed screw passing through registering apertures in said plates adjacent to their upper free ends, a block longitudinally apertured and mounted upon said screw, a winged nut upon the threaded end of the screw adapted to bear against the outer face of one of said plates, the plates K having contracted portions upon their lower ends secured in slots in said block, clamping members secured to the plates K, and means for holding the same in clamping relation, as set forth.

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

JOHN McLEAN.

Witnesses:

DAN BEGRAN,
ALVA EMBRY.