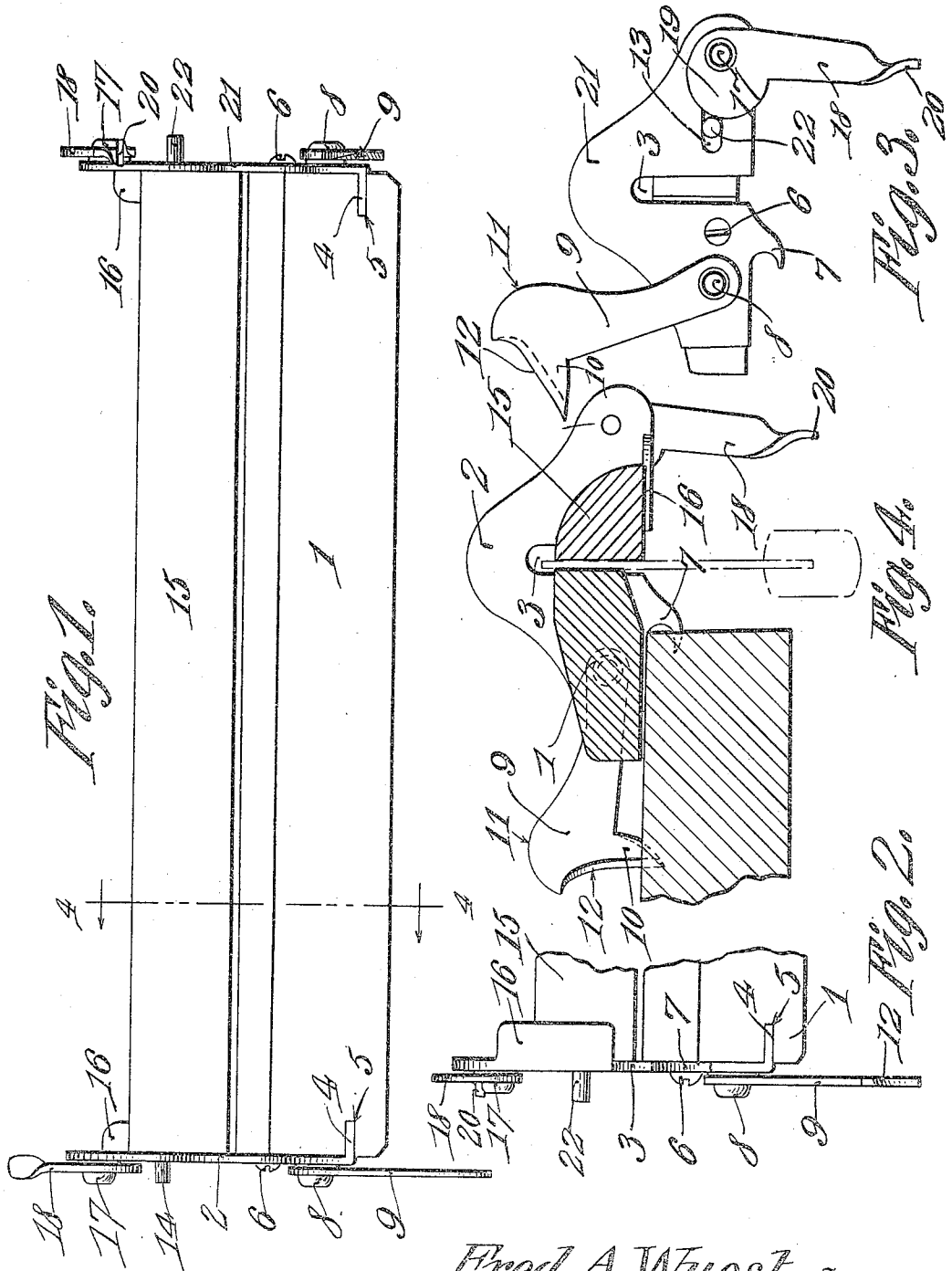


F. A. WUEST.
SAW CLAMP.
APPLICATION FILED AUG. 9, 1909.

961,665.

Patented June 14, 1910.



Witnesses
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UNITED STATES PATENT OFFICE.

FREDERICK A. WUEST, OF LAWRENCEBURG, INDIANA, ASSIGNOR TO GEORGE H. BISHOP & CO., OF LAWRENCEBURG, INDIANA.

SAW-CLAMP.

961,665.

Specification of Letters Patent. Patented June 14, 1910.

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To all whom it may concern:

Be it known that I, FREDERICK A. WUEST, a citizen of the United States, residing at Lawrenceburg, in the county of Dearborn and State of Indiana, 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.

My invention relates to clamping devices for holding hand saws or the like for filing and the object of the invention is to provide a simple, cheap and efficient structure of this character which may be readily attached to a bench or other support and disengaged therefrom after the completion of the filing.

In the drawings, Figure 1 is a top plan view; Fig. 2 is a fragmentary bottom plan view; and Fig. 3 is an enlarged end elevation. Fig. 4 is a section on the line 4—4 of Fig. 1.

Referring more especially to the drawings, 1 represents the anvil or stationary part of the vise or clamp which is constructed preferably of wood and is sufficiently wide to withstand the strain when the clamping jaw forces the saw into engagement therewith. To this member 1, I connect at each end, a frame 2 which is slotted at 3 to permit the passage of the saw blade which is provided at its rear end with a right-angular flange 4, adapted to enter a longitudinal slot 5, formed in the end of the anvil member 1. A suitable screw 6, passes through the frame 2 and enters the anvil member so as to hold the frame in position thereon and immediately below the screw, I form a hawk's bill hook 7, which is adapted to enter the bench of other suitable support and be held therein, as will hereinafter be described.

Pivoted upon a bolt 8 and arranged immediately beyond the hook 7, is a locking dog 9, which is provided at its rear end with a pointed engaging prong 10 and on its upper face with a hammering head 11, by which the prong may be driven into the bench or support.

It will be noticed that the front face of the prong is inclined as at 12, so as to form a cam surface which will draw the hawk's

bill prong 7, into engagement with the bench and hold the device against displacement until the dog is released. The slot 3 forms the frame into what may be termed a yoke member and on the opposite leg of this member from that to which the dog is attached, I form a horizontal slot 13, which is adapted to be engaged by a pin 14, carried upon the end of the clamping jaw 15. This pin passes through the slot and limits the outward movement of the clamping jaw and holds the clamping member in proper position. In order to more securely support the clamping member, I bend this leg of the yoke member into the form of a table 16, which overhangs the under-end of the clamping member and holds it in proper horizontal position.

Pivoted to a bolt 17, arranged upon the leg forward of the slot 13, is a locking lever 18, having a cam 19, formed on its inner end, adapted to engage the pin 14 and thus force the clamping member 15, into engagement with the anvil member 1.

The outer end of the lever 18, is twisted so as to form a handle 20, by which the lever may be manipulated. The opposite end of the anvil member 1 is provided with a frame 21, similar in all respects to the frame 2, and the clamping member 15, is provided with a pin 22, which is adapted to be engaged by a cam lever similar to that shown at 18.

In operation, the levers are thrown upwardly so as to disengage the same from the pins on the anvil member and the saw is inserted with its teeth against the upper wall of the slots 3. This allows a proper amount of the saw to project above the anvil and clamping members of the device. The levers are now thrown downwardly so as to force the cams into engagement with the pins and thus throw the clamping member 15, into engagement with the saw to clamp the same against the anvil member 1.

From the foregoing description, taken in connection with the accompanying drawing, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion and the minor details of construction may be resorted to without departing from the

principle or sacrificing any of the advantages of this invention, as defined in the appended claim.

Having thus described my invention, what
5 I claim is:—

In a device of the class described, the combination with a pair of vertically slotted frames, an anvil member arranged intermediate the frames and secured thereto on
10 one side of the slot, a clamping member slidably mounted within the frames, a supporting table upon each frame for the clamping member, means carried by the frame for securing the device from vertical

movement on a support, said frames being 15
horizontally slotted, pins on said clamping member projecting through said horizontal slots, and cam levers to engage said pins to force the clamping member into engagement with the anvil member. 20

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

FRED. A. WUEST.

Witnesses:

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FRANK NEHLZ.