

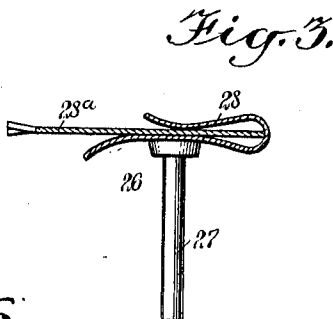
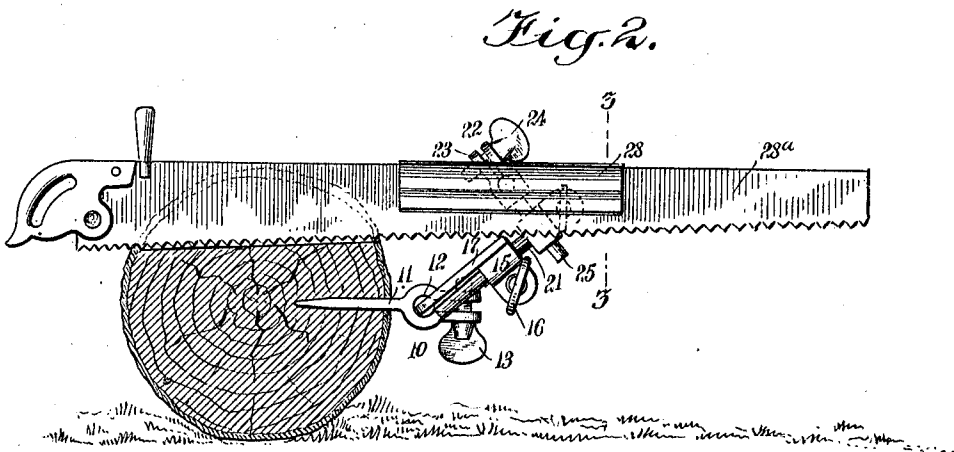
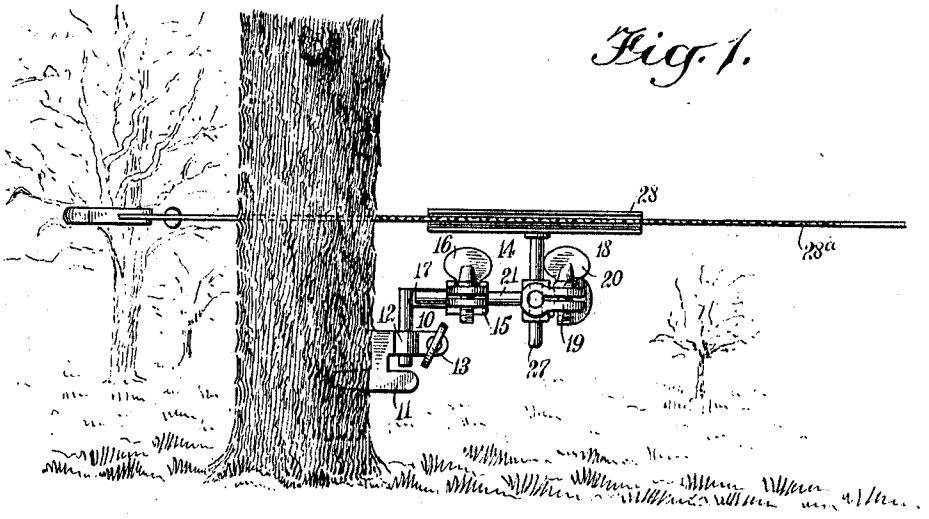
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SAW GUIDE.

APPLICATION FILED JUNE 1, 1910.

993,838.

Patented May 30, 1911.



WITNESSES:

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UNITED STATES PATENT OFFICE.

CALVIN KESSLER, OF ELK, WASHINGTON.

SAW-GUIDE.

993,838.

Specification of Letters Patent. Patented May 30, 1911.

Application filed June 1, 1910. Serial No. 564,363.

To all whom it may concern:

Be it known that I, CALVIN KESSLER, a citizen of the United States, and a resident of Elk, in the county of Spokane and State of Washington, have invented a new and Improved Saw-Guide, of which the following is a full, clear, and exact description.

An object of the invention is to provide a saw guide adapted to be secured to a tree and to hold a saw therein, to guide the saw as it cuts into the tree to be cut, so that the angle of cut can be controlled at all times by the operator.

For the purpose mentioned, use is made of a support provided with means for securing the support to a tree, and a series of adjustably connected supports, and a saw guide adjustably mounted on one of the supports and adapted to slide in the guide.

Reference is to be had to the accompanying drawings, constituting a part of this specification, in which similar characters of reference denote corresponding parts in all the views, and in which—

Figure 1 is a side elevation showing my guide as applied; Fig. 2 is a sectional view of a tree to which my device is secured and disclosing how the saw can be angularly adjusted; and Fig. 3 is a detail sectional side view of the guide for holding a saw and taken on the line 3—3 of Fig. 2.

Referring to the figures, I provide a support 10 having a wedge-shaped dog 11, a split bearing 12 and a clamping screw 13. A second support 14 is mounted on the support 10, and comprises a split bearing 15, a clamping screw 16 and a shaft 17 mounted to slide and to turn in the split bearing 12 of the support 10. A third support 18 is mounted on the support 14 and comprises a split bearing 19, a clamping screw 20 and a shaft 21 mounted to slide in the split bearing 15 of the support 14. A fourth support 22 is mounted on the support 18 and comprises a split bearing 23, a clamping screw 24 and a shaft 25 mounted to slide in the split bearing 19 of the support 18.

Adjustably mounted on the support 22 by means of the split bearing 23 is a guide 26

having a shaft 27 engaging the split bearing 23, and a slotted spring guide 28 is secured on the shaft 27 and adapted to hold a saw 28^a therein, as will be seen in Fig. 3.

Now, when the device is set up as shown in Fig. 1, it will be easily seen that the angle of cut of the saw with respect to the tree, can be conveniently varied at all times, thus making it possible for one person to operate the guide and saw.

It will be understood that my device can be adjusted into various positions other than shown in the drawings, and although for the purpose of description I have shown a particular form of my device, it will be understood that the scope of my invention is defined in the appended claim.

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

In a saw guide the combination of a clamp support, a clamping screw on the support, a wedge shaped dog laterally extended from the support and integral therewith, a second clamp support mounted to swing in the first clamp support and adapted to be clamped thereto, a clamping screw in the second support, a third clamp support mounted to turn on the second clamp support, and adapted to be clamped thereto, a clamping screw on the third support, a fourth clamp support mounted to turn on the third support and adapted to be clamped thereto, a clamping screw on the fourth support, a shaft adjustably mounted on the fourth support and extending laterally thereof, and a saw guide secured to the shaft at right angles thereto, and comprising an integral looped piece of material having its lower end longer than the upper end to constitute a rest for a saw slidably received between the said two ends.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

CALVIN KESSLER.

Witnesses:

GEORGE T. MURPHY,
W. R. EISENHAUR.