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J. M. JENNINGS

SAW GUIDE FOR UNDERCUTTING

Filed May 22, 1925

Fig. 1.

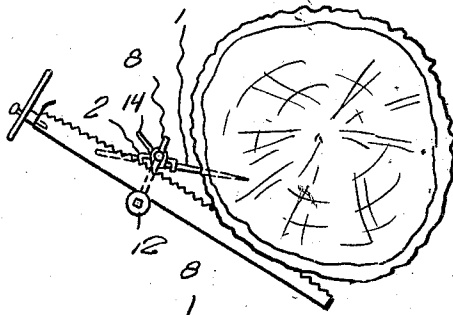


Fig. 2.

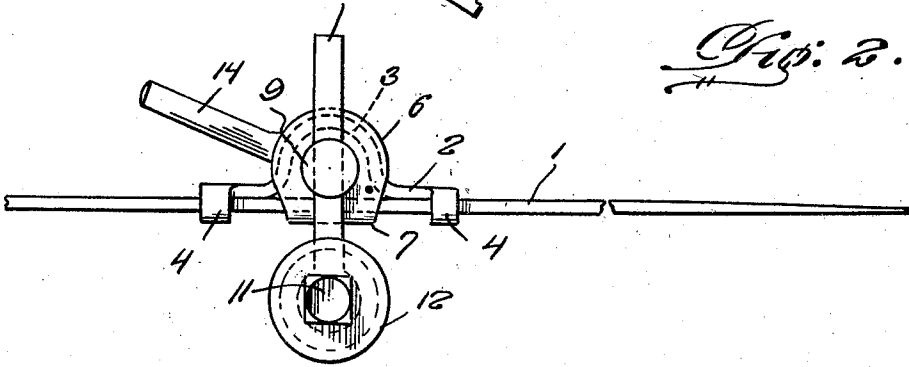
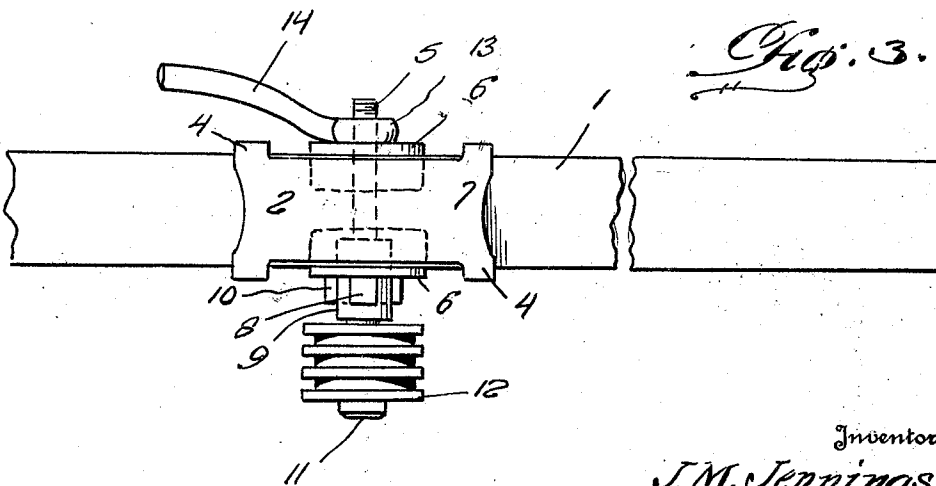


Fig. 3.



Inventor

J. M. Jennings.

By

Charles A. Smith

Attorney

UNITED STATES PATENT OFFICE.

JOSEPH M. JENNINGS, OF CENTRALIA, WASHINGTON.

SAW GUIDE FOR UNDERCUTTING.

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To all whom it may concern:

Be it known that I, JOSEPH M. JENNINGS, a citizen of the United States, residing at Centralia, in the county of Lewis and State of Washington, have invented certain new and useful Improvements in Saw Guides for Undercutting, of which the following is a specification.

The present invention relates to a saw guide and has for its principal object to provide a structure which will support and guide a saw, in order that a log may be cut from the underside. When a tree has been uprooted, it is supported a distance above the ground, substantially horizontally, by means of the roots and the branches of the tree, and it is desirable to cut the trunk of the tree from the underside so as to eliminate binding on the trough.

Another important object of the invention is to provide a device of this nature which is adjustable to accommodate the saws of different sizes, and is also adjustable to change the distance of the supporting roller from the log.

A still further object of the invention is to provide a device of this nature, which is exceedingly simple in its construction, easy to manipulate, strong, durable, efficient, reliable, and otherwise well adapted for the purpose for which it is designed.

With the above and numerous other objects in view, as will appear as the description proceeds, the invention resides in certain novel features of construction, and in the combination and arrangement of parts as will be hereinafter more fully described and claimed.

In the drawing:

Figure 1 is a view of the device, associated with a log,

Figure 2 is a side elevation of the device, and

Figure 3 is a plan view thereof.

Referring to the drawing in detail, it will be seen that 1 designates a supporting device, which tapers toward one end so that it may be easily driven into a log, as indicated in Figure 1. A plate 2 is positioned on the upper surface of the spike 1 and has its intermediate portion curved from the spike, as is indicated at 3. On the corners of the plate 2 there are provided curved fingers 4, which extend about the edges of the spike, so that the plate may be slid longitudinally thereof. A bolt 5

extends between the intermediate portion 3 of the plate 2, and the adjacent portion of the spike 1. Washers 6 are provided on the bolt 1, at each edge of the spike 1, and are provided with extensions 7, as indicated in dotted lines in Figure 3, which engage the under surface of the spike 1. A bracket arm 8 pierces the head 9, of the bolt 5, being slidable therethrough and terminating in an eye 10, for receiving the axle 11 of a grooved wheel 12. It is to be noted that the axle 11 extends to one side of the spike 1 therebelow. A nut 13 is preferably provided with a crank handle 14, and is threadably engaged with the bolt 5, so that it may be tightened thereon to bear against the adjacent washer 6 thereby drawing the head through the adjacent washer 6. This action will draw the washers 6 against the edges of the spike 1, and force the bracket arm 8, in frictional engagement with the adjacent washer, thereby preventing movement of the plate 2 longitudinally of the spike, and preventing movement of the arm 8 through the bolt head 9. It will be thus seen that the various parts may be easily adjusted when the nut 13 is loosened, so that they may be placed in proper positions depending upon conditions, as will be apparent. The smooth edge of the saw is engaged in one of the grooves of the wheel 12 and may thus be reciprocated back and forth for undercutting the log. As the log is being undercut, it will have a tendency to break downwardly, at the strip being cut, therefore preventing any binding on the saw. This is true in the undercut, because the log is supported at its ends on its roots and branches. It is apparent that the device may be used under any circumstances, where the log is supported by its ends.

The present embodiment of the invention has been disclosed in detail, merely by way of example, and it is apparent that numerous changes in the details of construction, and in the combination and arrangement of parts may be resorted to, without departing from the spirit or scope of the invention as hereinafter claimed or sacrificing any of its advantages.

Having thus described my invention, what I claim as new is:

1. A device of the class described including a spike adapted to be driven into a log, a plate slidable on the spike and having its intermediate portion spaced therefrom, a

bolt extending between the intermediate portion of the plate and the adjacent portion of the spike, washers on the bolt having extensions disposed under the spike, a nut
5 on the bolt, a bracket arm slidable through the bolt so that when the nut is tightened up, said arm is held in adjusted positions in relation to the bolt, and a wheel journaled on the end of the arm.

10 2. A device of the class described including a spike adapted to be driven into a log, a plate slidable on the spike and having its intermediate portion spaced therefrom,

a bolt extending between the intermediate portion of the plate and the adjacent portion of the spike, washers on the bolt having extensions disposed under the spike, a nut on the bolt, a bracket arm slidable through the bolt so that when the nut is tightened up, said arm is held in adjusted
15 positions in relation to the bolt, and a wheel journaled on the end of the arm, said wheel being provided with an annular groove. 20

In testimony whereof I affix my signature.

JOSEPH M. JENNINGS.