

B. B. REGISTER.
 SAW GUIDE.
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1,061,869.

Patented May 13, 1913.

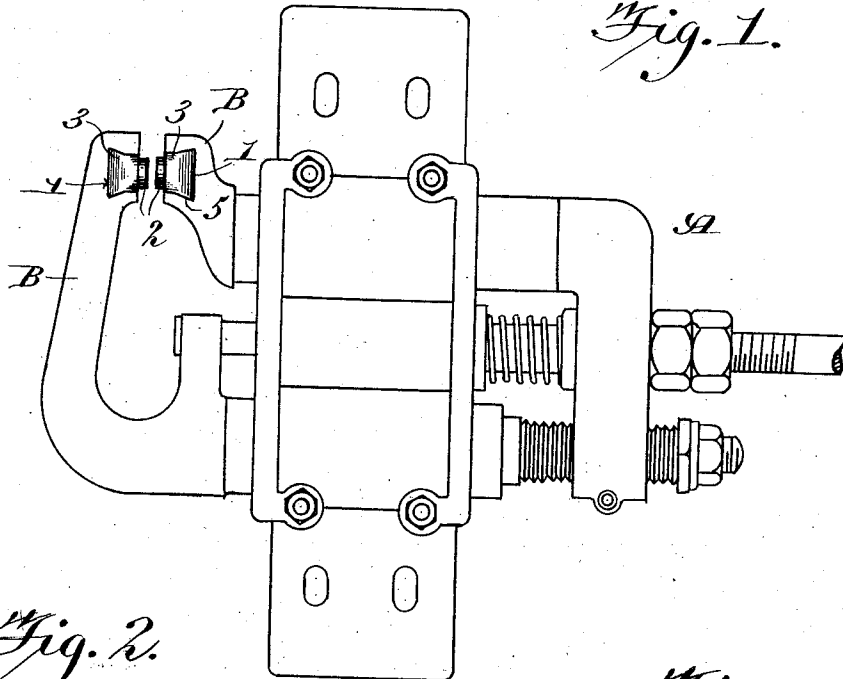


Fig. 1.

Fig. 2.

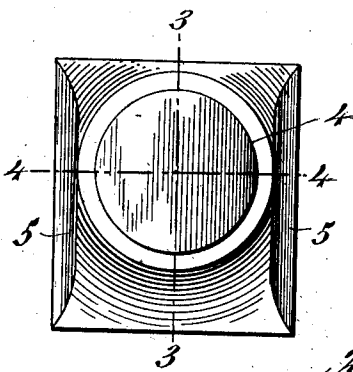


Fig. 4.

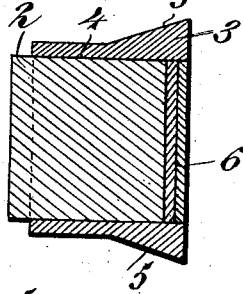


Fig. 3.

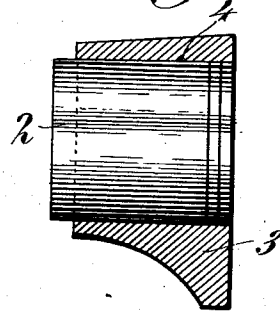
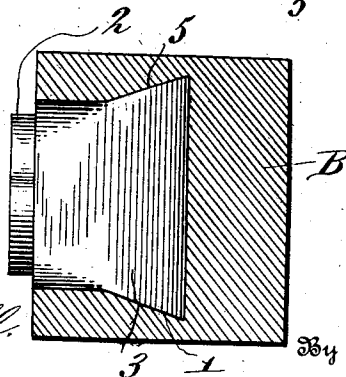


Fig. 5.



Witnesses

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BROOKS B. REGISTER, OF MARTEL, FLORIDA.

SAW-GUIDE.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, BROOKS B. REGISTER, a citizen of the United States, residing at Martel, in the county of Marion and State of Florida, have invented new and useful Improvements in Saw-Guides, of which the following is a specification.

This invention relates to saw guides, and it has for its object to produce a pin holder of simple and improved construction which will support the pin in the desired position and which will operate to protect the guide pin from injury due to impact of the saw-dust, loose knots and other similar causes.

A further object of the invention is to produce a simple and efficient pin holder which may be very readily and quickly applied to and detached from the guide, as occasion may demand.

A further object of the invention is to produce a simple and efficient pin holder which will enable a pin to be used practically as long as any portion of it remains, said pin being capable of being fed through the holder and retained in projected position by placing washers adjacent to the back thereof, thus effecting a very considerable saving of pins.

A still further object of the invention is to produce a pin holder which may be advantageously used in connection with a pin that has been specially prepared by soaking it in oil or similar lubricating material, thereby lessening friction between the pin and the saw, enabling the saw to run more truly and smoothly and avoiding undue heating caused by friction.

With these and other ends in view which will readily appear as the nature of the invention is better understood, the same consists in the improved construction and novel arrangement and combination of parts which will be hereinafter fully described and particularly pointed out in the claim.

In the accompanying drawing has been illustrated a simple and preferred form of the invention, it being, however, understood that no limitation is necessarily made to the precise structural details therein exhibited, but that changes, alterations and modifications within the scope of the claim may be resorted to when desired.

In the drawings—Figure 1 is a top plan view of a saw guide of well known and conventional construction, the same being

equipped with the improved pin holders. Fig. 2 is a face view of one of the improved pin holders detached. Fig. 3 is a vertical sectional view of the same, taken on the line 3—3 in Fig. 2. Fig. 4 is a transverse sectional view taken on the line 4—4 in Fig. 2. Fig. 5 is a sectional view of a portion of one of the arms of the saw guide, showing the pin holder in position.

Corresponding parts in the several figures are denoted by like characters of reference.

A designates a circular saw guide of conventional construction having the arms B, C which are provided on their opposed faces with dovetailed recesses 1 for the reception of pins between which the saw is guided.

The guide pins 2, which consist of wooden plugs of cylindrical shape with the grain preferably running parallel to the axis thereof, are fitted in the holders 3 which may be described as consisting of sleeves or casings of brass or other suitable metal, each having a cylindrical bore 4 and each having tapering side faces 5 that converge in an outward direction so as to form a dovetail which is properly shaped and proportioned to fit in the dovetailed recess 1 of one of the arms B, C, each of which is provided with a pin holder, as will be readily understood. The pins, which project slightly beyond the outer end faces of the sleeves or holders, are to be thoroughly soaked in oil or other lubricating material, so that friction between said pins and the saw which is guided therebetween will be reduced to a minimum. The pin holder or casing will prevent loss of oil by evaporation and will preserve the body of each pin in good condition for an indefinite period. As the pins become worn, the holders may be removed from the recesses in the arms B, C and fed outward or forward by a few taps with a hammer. A washer or washers 6 may be placed behind the pins to retain the latter sufficiently projected to be properly operative.

From the foregoing description, taken in connection with the drawings hereto annexed, the operation and advantages of this invention will be readily understood, and the construction it will be seen is extremely simple, and it is obvious that said construction may be modified so as to adapt the invention to be used in connection with vari-

ous conventional forms of saw guides, not only for circular saws, but for band saws as well.

When the guide pins, as is customary, are placed directly in the dovetailed recesses of the arms of the saw guide, they are apt to be quickly injured and rendered useless by impact of the sawdust, by contact with loose knots and through other causes. These objections are completely avoided by the use of the improved pin holder which insures perfect running conditions of the saw at all times, causing the saws to pull lighter, to stand up better under the work, to make lumber truer to the desired sizes and to make more lumber in a given period than has heretofore been possible.

Having thus described the invention, what is claimed as new, is:—

A saw guide having an arm provided with a recess, a pin holder consisting of a tubular sleeve detachably mounted in said recess, the bottom of the recess forming an end wall for the base of the sleeve, and a guide pin fitted in the sleeve and adjustable toward and from the bottom of the recess, in combination with one or more washers to limit the inward movement of the pin.

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

BROOKS B. REGISTER.

Witnesses:

J. B. WARREN,

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."
