Sept. 20, 1927. 1,643,085

C. T. PERRY

SAW PROTECTOR

Filed Jan. 8, 1927

Fig. 1.

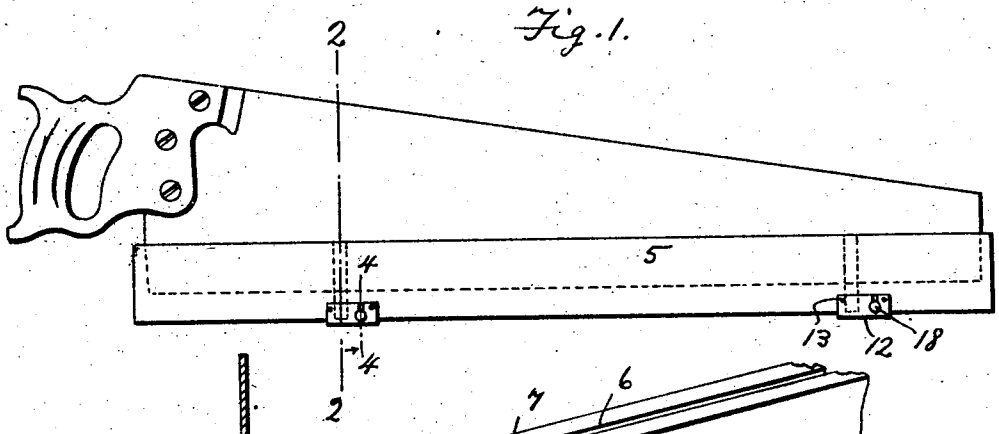


Fig. 2.

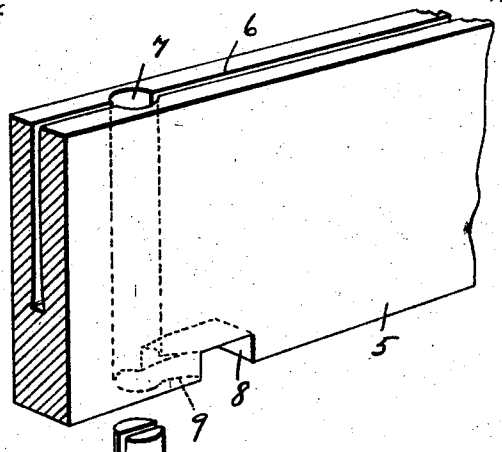
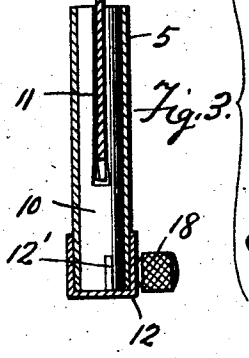


Fig. 3.



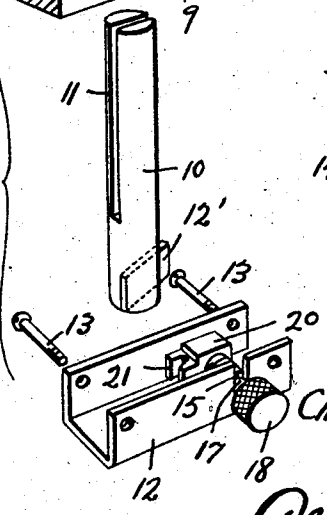
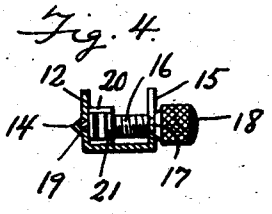


Fig. 4.



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UNITED STATES PATENT OFFICE.

CHARLES T. PERRY, OF ARLINGTON, MASSACHUSETTS.

SAW PROTECTOR.

Application filed January 8, 1927. Serial No. 159,945.

The present invention relates to a device protecting the teeth of saws when they are not in use and also for preventing the saw teeth from doing harm when the saws are being carried from place to place, shipped, or the like.

Another important object of the invention lies in the provision of a structure which will encase the cutting or toothed edge of the saw and embodies means preventing its accidental displacement from the saw.

A still further very important object of the invention lies in the provision of a contrivance of this nature which is simple in its construction, comparatively inexpensive to manufacture, easy to manipulate, thoroughly efficient and reliable in use, and otherwise well adapted to 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 side elevation of a saw with my contrivance engaged therewith,

Fig. 2 is an enlarged section taken substantially on the line 2—2 of Fig. 1,

Fig. 3 is a fragmentary detail perspective view of the device showing the parts disassembled,

Fig. 4 is an enlarged detail section taken substantially on the line 4—4 of Fig. 1.

Referring to the drawing in detail it will be seen that the numeral 5 denotes an elongated block which is provided with a kerf 6 therein extending inwardly from one longitudinal edge. Two bores 7 extend through the block 5 in spaced relation to each other. Each bore extends from one longitudinal edge to the other. The kerf 6 and bores 7 are communicated as is clearly illustrated in Fig. 3 of the drawing. The bottom longitudinal edge of the block 5 is provided with a pair of recesses 8 one adjacent each bore 7 and these recesses 8 communicate with the bore as indicated at 9. Pins 10 are rotatably mounted in the bores 7 and have longitudinally extending kerfs 11 beginning at their upper ends and terminating a distance from their lower ends. Lugs 12′ extend from the lower ends of the pins 11 through the spaces 9 into the recesses 8. U-shaped casings or housings 12 are engaged on the other edge of the block 5 one covering each recess 8 and the bottom of the adjacent bore 9. These casings or housings 12 are held in place by screws 13 or in any other suitable manner. Each casing 12 is of a U-shaped formation in cross section and end elevation and one side thereof is struck out at a point to provide a conical bearing 14 and the other side is provided with a bearing slot or notch 15. A threaded shank 16 is reduced as at 17 to be received in the slot 15, said reduced portion 17 merging into an interior head or knob 18, and the other end of the threaded shank 16 terminates in a pointed pintle 19 journaled in the conical bearing 14. Thus this threaded shank is easy to assemble in the casing and may be easily dismounted therefrom. A nut 20 is threaded on the shank 16 and has a pair of spaced wings 21 projecting from one side thereof to receive therebetween the lug 12 of the adjacent pin 10. It is to be noted that the nut 20 is prevented from rotation since its bottom face engages the bottom of the casing 12.

From the above detailed description it will be seen that the toothed edge of the saw may be inserted in the kerfs 6 and 11 to assume the position shown clearly in Figs. 1 and 2. The knobs or heads 18 may then be turned so as to move the nuts 20 thereby turning the pins 10 so that said pins will attain a binding grip on the saw to prevent the displacement of the block from the saw. Thus the saw is protected and is prevented from cutting or scratching other articles. The device is capable of being quickly and easily engaged with and disengaged from the saw. The parts of the contrivance are capable of being quickly assembled or disassembled.

It is thought that the construction, operation, utility, and advantages of this invention will now be clearly understood by those skilled in this art without a more detailed description thereof. The present embodiment of the invention has been disclosed in detail since in actual practice it attains the features of advantage enumerated as desirable in the statement of the invention and the above description. It will be apparent that 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 contrivance of the class described comprising a block provided with a kerf for receiving the toothed edge of a saw, said block being provided with a bore communicating with the kerf, a pin rotatable in the bore provided with a kerf registrable with the first mentioned kerf for receiving the toothed edge of the saw, and means for turning the pin so that the said pin will obtain a binding grip on said saw.

2. A contrivance of the class described comprising a block provided with a kerf for receiving the toothed edge of a saw, said block being provided with a bore communicating with the kerf, a pin rotatable in the bore provided with a kerf registrable with the first mentioned kerf for receiving the toothed edge of the saw, the block being provided with a recess at one edge in communication with the bore, said pin having a lug projecting into the recess, a casing engaged on the block, a threaded shank journaled in the casing, a nut on the threaded shank, a pair of wings projecting from the nut to receive the lugs therebetween.

3. A contrivance of the class described comprising a block provided with a kerf for receiving the toothed edge of a saw, said block being provided with a bore communicating with the kerf, a pin rotatable in the bore provided with a kerf registrable with the first mentioned kerf for receiving the toothed edge of the saw, the block being provided with a recess at one edge in communication with the bore, said pin having a lug projecting into the recess, a casing engaged on the block, a threaded shank journaled in the casing, a nut on the threaded shank, a pair of wings projecting from the nut to receive the lugs therebetween, said casing being substantially U-shaped in cross section having one side struck outwardly to form a conical shaped bearing and the other side provided with a bearing slot, said shank having a reduced portion at one end to be journaled in the slot and a pointed projection at its other end journaled in the recess.

In testimony whereof I affix my signature.

CHARLES T. PERRY.