May 14, 1957 J. F. RICCITELLI 2,792,038

SAW BLADE GUARD WITH CUSHIONING CAP

Filed Oct. 21, 1955

Fig. 1

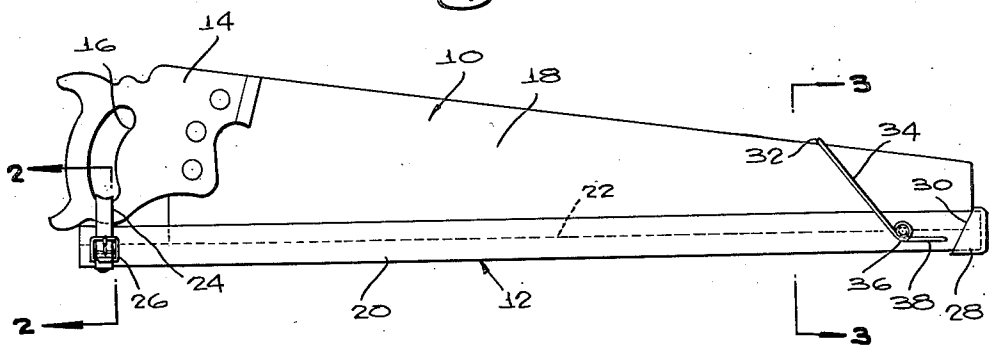



Fig. 2

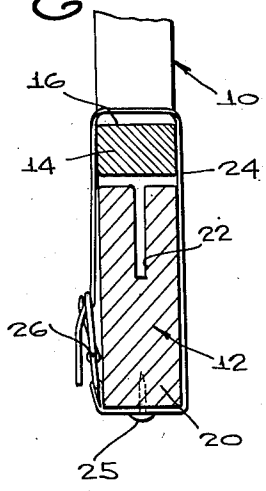



Fig. 3

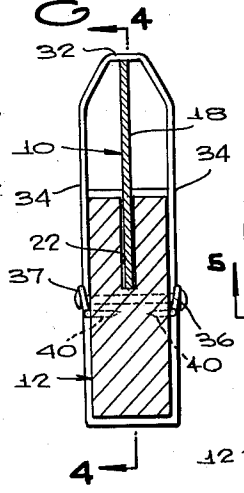



Fig. 4

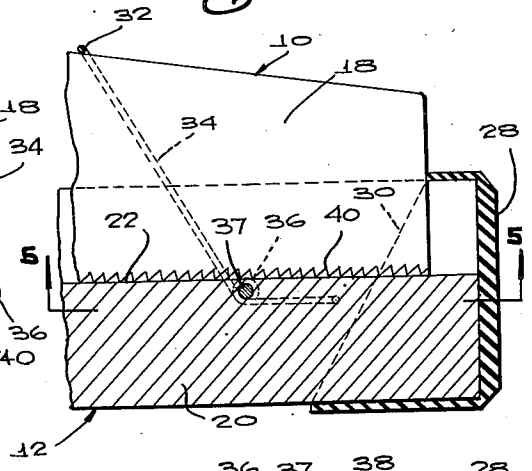
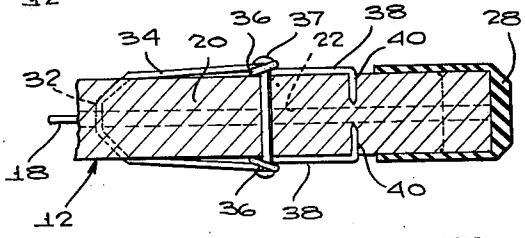



Fig. 5




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# SAW BLADE GUARD WITH CUSHIONING CAP

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2 Claims. (Cl. 145—35)

This invention relates to a guard for the blade of a hand saw.

It is well appreciated by the owners and users of saws, particularly those having occasion to reuse the same frequently, that it is difficult to keep the teeth of the blade sharpened, and protected against being bent out of line by striking of the same against various objects.

The main object of the present invention is to provide an improved protector for a saw blade, and as more specific objects of the invention there are among others the following:

First, to provide a guard of the type stated which can be manufactured at very low cost;

Second, to provide a protector that will fit any of various types of saws, including ribs, cross cut, etc., without requiring modification or redesign of the protector in any instance;

Third, to facilitate the application or removal of the protector;

Fourth, to provide for secure protection of the blade, not only along the length of the blade, but also at opposite ends thereof;

Fifth, to insure that the blade will be held firmly against the guard, by reason of a resilient means provided upon the guard that adjusts itself to the particular transverse dimension of the blade at the outer end of the blade; and

Sixth, to provide a protector which will not, itself, have any injurious effect upon the teeth enclosed thereby.

Other objects will appear from the following description, the claims appended thereto, and from the annexed drawing, in which like reference characters designate like parts throughout the several views, and wherein:

Figure 1 is a side elevational view of a conventional hand saw to which has been applied a protector or guard formed according to the present invention;

Figure 2 is an enlarged, detail sectional view transversely through the saw handle and protector, substantially on line 2—2 of Figure 1;

Figure 3 is an enlarged, transverse sectional view through the saw blade and protector on line 3—3 of Figure 1;

Figure 4 is an enlarged, fragmentary longitudinal sectional view on line 4—4 of Figure 3; and

Figure 5 is a sectional view on line 5—5 of Figure 4.

The reference numeral 10 generally designates a conventional hand saw, including a handle 14 having the usual opening 16. The saw blade has been designated at 18, and tapers toward its outer end, in the usual manner. The device constituting the present invention has been generally designated at 12, and includes an elongated body portion 20 formed of wood or other material that will not blunt or otherwise adversely affect the teeth of the saw blade. The body 20 is of rectangular cross section, and is constant in cross sectional area over its full length.

Body 20 is formed from end to end thereof with a longitudinal slot 22, said slot being quite deep as shown in Figure 3, and being of a width slightly greater than the thickness of the saw blade, so as to permit the saw blade to be readily inserted in or removed from the slot. When the blade is inserted in the slot, the toothed edge thereof is enclosed by the body 20 for the full length of said toothed edge, and said body 20 projects at the handle end of the saw a substantial distance beyond the base end of the blade as shown in Figure 1. At its other end, the body 20 projects a short distance beyond the free end of the blade as shown in Figure 4.



At the handle end of the saw, the body 20 is provided with a strap 24, which is nailed or otherwise secured as at 25 to the underside of the body (see Figure 2). The strap extends fully around the body 20, and is equipped at one end with a buckle 26, the other end of the strap being engageable with said buckle after being passed through the opening 16. This firmly secures the body portion to the handle of the saw at one end of the body portion.

At its other end, the body portion has fitted thereon a cap 28 of rubber or the like, adapted to absorb shocks should the device be forcibly struck by or pressed against an adjacent object. The cap 28 has a beveled inner end 30, said cap having a large recess receiving the outer end of the body portion 20. The beveled edge 30 receives the body in such a manner that the top wall of the cap is engaged against the end edge of the blade as shown in Figure 4.

An important feature of the invention comprises a spring yoke receiving the free end portion of the saw blade. The yoke has been designated at 32, and includes a bight engaging against the back edge of the saw blade, said bight merging into legs 34 integral at their lower ends with spring coils 36, connected to the body by a rivet 37. The coils in turn merge into extensions 38 of the legs, said extensions at their free ends having inwardly projecting, pointed fingers 40 engaging in side openings of the body portion 20. This construction is such as to permit the yoke to be swung, against the restraint of the spring coils, in a clockwise direction, viewing the yoke as in Figures 1 and 4.

In use, and assuming that the protector is to be attached to the saw blade, the free end of the saw blade is inserted under the bight of the spring yoke. Then, the saw blade is engaged over its full length in the slot 22, and the strap is connected to the handle 14 and secured. The spring yoke, by reason of the tension of the coils 36, will exert a downward pressure against the back edge of the saw blade, tending to hold the same in the slot.

To remove the device, it is merely necessary to disconnect the strap from the handle, after which the spring yoke is shifted out of engagement with the saw blade against the restraint of the springiness thereof, thus permitting the saw to be removed from the protector.

It is believed apparent that the invention is not necessarily confined to the specific use or uses thereof described above, since it may be utilized for any purpose to which it may be suited. Nor is the invention to be necessarily limited to the specific construction illustrated and described, since such construction is only intended to be illustrative of the principles of operation and the means presently devised to carry out said principles, it being considered that the invention comprehends any minor change in construction that may be permitted within the scope of the appended claims.

What is claimed is:

1. A guard for a hand saw having a blade and a handle, comprising an elongated body portion formed with a longitudinal slot receiving the cutting edge of the blade; means on one end of the body portion connectable to the handle; a spring yoke carried by the other end of the body portion adapted to resiliently, yieldably bear against the back edge of the saw blade to hold the same in the

slot; and a cap of a resilient, cushioning material fitted over the second named end of the body portion and bearing against the end edge of the saw blade.

2. A guard for a hand saw having a blade and a handle, comprising an elongated body portion formed with a longitudinal slot receiving the cutting edege of the blade; means on one end of the body portion connectable to the handle; a spring yoke carried by the other end of the body portion adapted to resiliently, yieldably bear against the back edge of the saw blade to hold the same in the slot, said spring yoke being of inverted U-shape with the bight portion thereof bearing against the back edge of the blade, the yoke including legs extending along opposite sides of the blade and terminating in spring coils connected to the body portion, and a cap of a resilient cushioning material fitted over the second named end of the body portion and bearing against the end edge of the saw blade.



**References Cited** in the file of this patent

FOREIGN PATENTS

| | | |
|---|---|---|
| 24,097 | Germany | Nov. 10, 1908 |
| 108,987 | Sweden | Jan. 25, 1944 |
| 113,470 | Sweden | Mar. 13, 1945 |