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TOOL SHIELD

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Fig. 1.

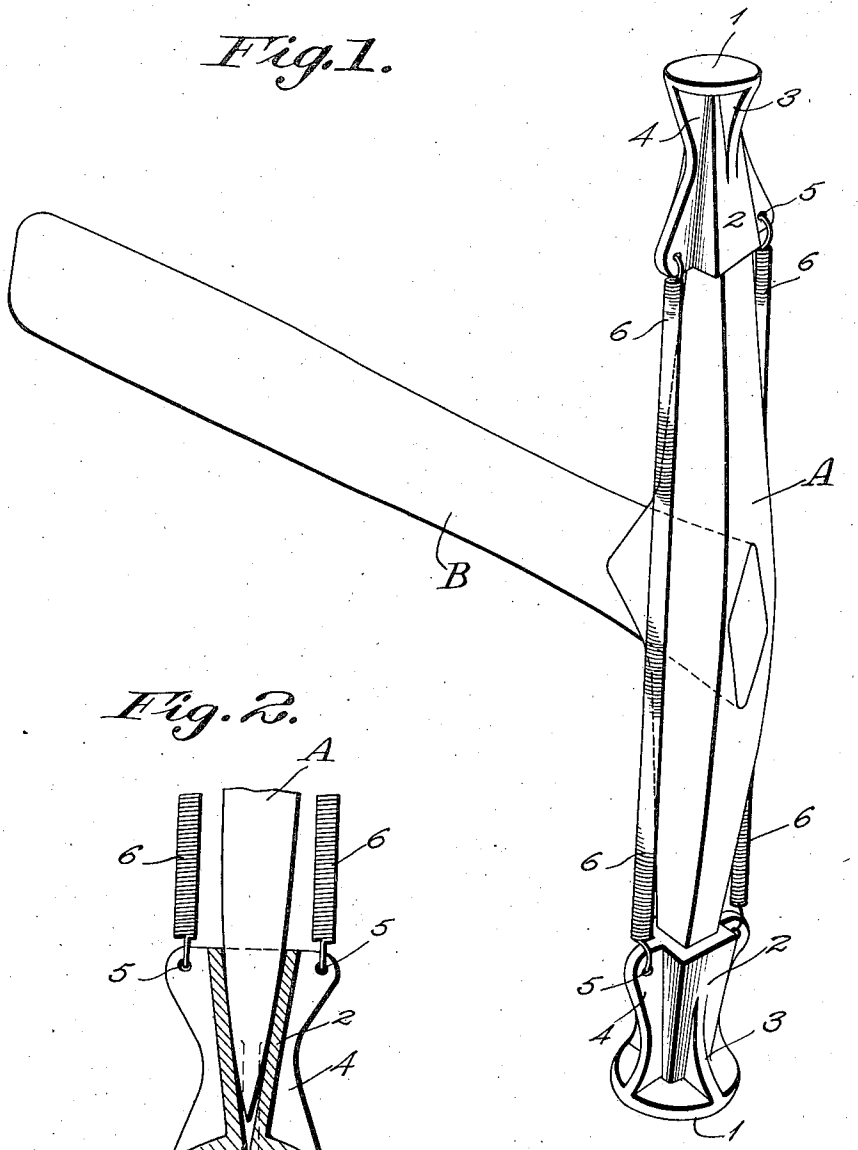


Fig. 2.

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TOOL SHIELD

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3 Claims. (Cl. 125—43)

This invention relates to tool guards, and its general object is to provide a guard or shield that is primarily designed for use with picks and like tools, to not only protect the points thereof, but also to prevent the points from damaging things and injuring persons coming in contact therewith, when the tool is being carried and not in use.

A further object of the invention is to provide a safety shield for pointed tools, such as picks, that includes a pair of shield members in the form of hammer heads, and when applied to the pointed ends of the pick, will convert the same into what may be termed a hammer.

A further object of the invention is to provide a safety shield for a pick or the like, that includes a pair of shield members, one for each point of the pick, with means common to both shield members for securing them on the points and against casual removal or displacement.

A still further object of the invention is to provide a safety shield of the character set forth, that is simple in construction, easy to apply, inexpensive to manufacture and extremely efficient in use, operation and service.

This invention also consists in certain other features of construction and in the combination and arrangement of the several parts, to be hereinafter fully described, illustrated in the accompanying drawing and specifically pointed out in the appended claims.

In describing my invention in detail, reference will be had to the accompanying drawing wherein like characters denote like or corresponding parts throughout the several views, and in which:

Figure 1 is a perspective view illustrating my shield applied to a pick.

Figure 2 is a fragmentary sectional view taken through one of the shield members, with parts in elevation.

Referring to the drawing in detail, it will be noted that I have illustrated my shield as being applied to a pick, but I want it understood that it can be used with any type of pointed implement or tool, without departing from the spirit of the invention.

The pick as shown includes the usual head A, having pointed ends, with a socket midway the ends to receive a handle B.

My shield when used with a pick includes a pair of shield members, or in other words one member for each pointed end, and each shield member is of similar structure, in that it includes a flat head 1 formed on the end of a sleeve 2 which acts as a socket to receive the pointed end of the pick, as best shown in Figure 2. The bore of the sleeve is preferably shaped to fit the pointed end portions of the pick head, and for that purpose the walls are disposed in converging relation with respect to each other, to taper in accordance with the taper of the pointed portions.

While the sleeves 2 are formed on the heads 1, I preferably provide webs 3 which extend from the juncture of the sleeves 2 with the heads 1 and one end of the webs merge into the sleeves while the opposite ends thereof extend into the periphery of the heads, as best shown in Figure 1. The webs are formed with two diametrically opposed walls of the sleeve, while formed on the other diametrically opposed walls and being of a length coextensive therewith, are strips 4 which are likewise formed with the inner sides of the heads in the same manner as the webs 3 and cooperate therewith to provide reinforcing means for the sleeves and heads. The strips 4 are provided with openings 5 adjacent the inner ends thereof, for a purpose which will be presently apparent.

In order to secure the shield members to each of the pointed ends of the pick, I preferably employ a pair of coil springs 6 that have their end convolutions disposed at right angles with respect to the bodies of the springs and are received in the openings of the strips 4, as clearly shown in Figure 1, consequently it will be obvious that the coil springs are common to both shield members and hold or secure the shield members on the pointed end portions of the pick in a manner to prevent casual removal or displacement thereof.

While the shield members are primarily designed to guard and protect the points of the pick, as well as to prevent the same from damaging things and persons coming in contact therewith, it will be obvious that due to the fact that the heads are flat, the shield members can also be used in the capacity as hammers, as the heads are preferably formed from metal. However, they can be formed from other material such as leather or the like, and in that event they will be capable of performing a function of shield members only.

It is thought from the foregoing description that the advantages and novel features of my invention will be readily apparent.

I desire it to be understood that I may make changes in the construction and in the combination and arrangement of the several parts, pro-

vided that such changes fall within the scope of the appended claims.

What I claim is:

1. A shield for a tool having a sharpened working end portion and comprising socketed means shaped to receive the end portion, a flat head formed on the socketed means, reinforcing means formed on the head and socketed means, and means secured to some of said reinforcing means for securing the socketed means on said working end portion.

2. A shield for a tool having sharpened working end portions and comprising a pair of shield members each including socketed means shaped to fit the working end portions, flat heads formed on the socketed means, reinforcing means formed on the heads and socketed means, and including strips having openings therein and coil springs having their ends secured in the openings for securing the shield members to the sharpened working end portions.

3. A shield for a tool having sharpened working end portions and comprising a pair of shield members each including socket means shaped to receive the end portions, strips extending laterally from opposite sides of the socket means and having openings therein, and a pair of coil springs having their ends passed through the openings for connection with the strips for securing the shield members on the working end portions.

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