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M. MARTINSON

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SHIELD

Filed Aug. 10, 1931

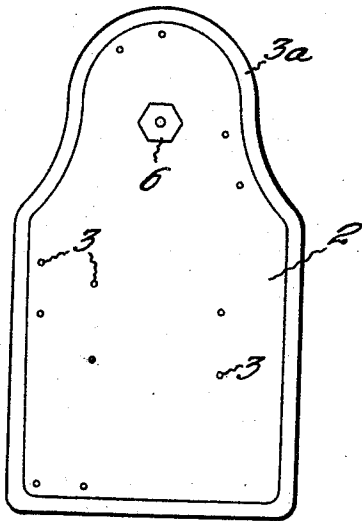


FIG. 1

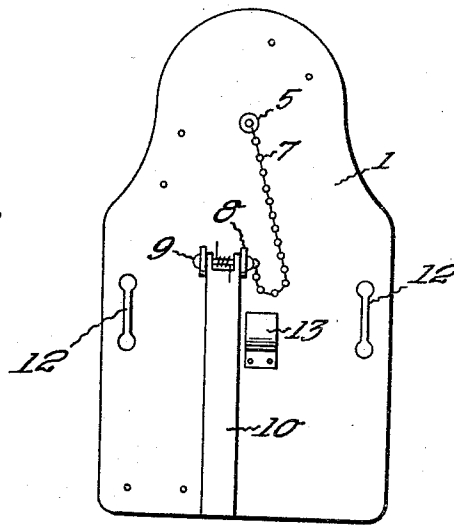


FIG. 2

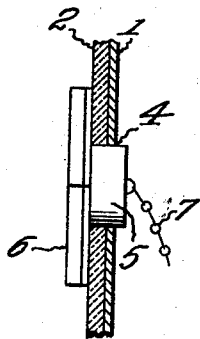


FIG. 3

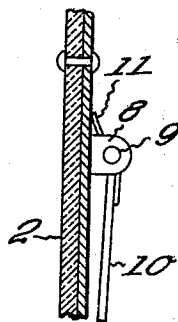


FIG. 4

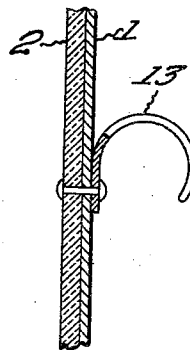


FIG. 5

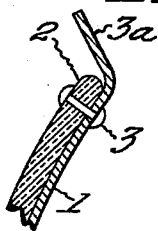


FIG. 6

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# UNITED STATES PATENT OFFICE

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## SHIELD

Application filed August 10, 1931. Serial No. 556,216.

This invention relates to improvements in shields and more particularly to bullet-proof shields for use by the police and by other officers to protect the user from high power revolver bullets, slugs fired from sawed-off guns, shot guns, and various other weapons, and further, to provide means whereby one may direct his own firing against an assailant, or against besieged persons or criminals, while still being protected.

A further object is to provide a bullet-proof shield that is readily portable and that may be conveniently transported in squad cars, railway express cars, etc. etc.

A still further object is to provide a shield of this type that is inexpensive to manufacture, very efficient and durable in use and that may be used either while supported by the arm of the user or while placed in upright position upon the ground, or other support, the user being protected while his movements behind the shield are in no manner restricted thereby and he may direct and carry on his attack or maintain his defence in security.

More specifically the invention consists in the combination and arrangement of parts to be hereinafter fully described, pointed out in the claims and illustrated in the accompanying drawing which forms a part of this application for patent and in which—

Fig. 1 is a view of the shield in front elevation.

Fig. 2 is a view of the same in rear elevation.

Figs. 3, 4, 5 and 6 are enlarged vertical sectional views through the shield illustrating its construction and assembly.

Like reference characters denote corresponding parts throughout the several views.

The present invention comprises a shield of substantially conventional shape except that the top portion is somewhat narrow and the edges rounded or outwardly curved, the body portion being made preferably of Allegheny steel, or a material having like qualities, the body being covered upon its front convex face, except along its edges, with a thick layer of leather, the rear face of the body being provided with a leg adapted to

cooperate with the body to support the same upon the ground in upright position when desired, the body being formed with a sight or firing perforation that when not in use is protected by an instantly removable bullet-proof closure.

The reference numeral 1 denotes the body portion of the shield formed preferably of Allegheny steel and having a front covering, except along its edge 3a, of leather 2 secured thereto by rivets 3, said body being somewhat narrow at its upper end and formed, together with said covering 2, with a perforation 4 which may serve as a sight opening or firing port except at such time as it is closed by the plug comprising the leather portion 5, shaped to closely fit said perforation, and the metal guard piece 6 disposed upon the front face of the body 1 when the plug is in position, a chain 7 connected to said plug having its opposite end secured to one of the ears 8 welded or otherwise secured to the rear face of the shield body 1. To remove the plug from the perforation 4 it may be manually forced out from the rear, two fingers being directly applied to the leather 5, the chain 7 preventing the loss of the plug and facilitating its return to close the perforation when desired, it merely being necessary to draw the plug back into operative position by means of the said chain.

The ears 8 are connected by a pin 9 to which the bifurcated end of the leg 10 is pivotally secured, a spring 11 wound about said pin having its ends engaging the shield body 1 and the leg 10 in such manner that the leg is yieldingly pressed against or toward the shield into inoperative position. To stand the shield in upright position upon a support the leg is manually moved upon its pivot to dispose its lower free end in spaced relation to the shield and the leg and body then rested upon the support. When the shield is raised the spring will move the leg toward the shield again.

Hand grips 12 are mounted in the rear of the shield body upon opposite sides thereof, making it handy for a right or a left handed person and an arm engaging element 13 is mounted between said grips to distribute its

weight when it is carried. The leather covering 2 has the effect of deadening the bullets fired thereagainst and prevents a ricochet which would frequently result should the missile strike the tough steel body 1 direct.

What is claimed is:—

1. In a shield, a body portion, a covering therefor, said body and covering being formed with aligned perforations, a plug having a leather portion to fit snugly and removably in said perforations and a metal portion to then fit against said covering, a chain engaging said plug for seating same in said perforations, and a lug for said body portion.

2. In a shield, a body portion, a covering therefor, said body and covering being formed with aligned perforations, a plug for removable disposal in said perforations as a closure, hand grips mounted in the rear of said body portion and upon opposite sides thereof, and an arm engaging element mounted to said body portion between said hand grips.

In testimony that I claim the foregoing as my own I have hereto affixed my signature.

MARTIN MARTINSON.

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