



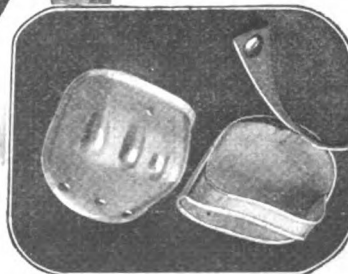
This sighting device enables the marksman to aim and fire behind cover. It is practically a camera finder applied to a rifle.



#### Using the Camera Finder as a Rifle Periscope

A SIDEWAYS periscope invented by Colonel Kauchich of the Austrian Army permits a sniper to hide behind a tree and fire without exposing more than his elbow. The invention operates on the same principle as the finder of a camera.

Mirrors are placed at angles of forty-five degrees near openings at each end and on opposite sides of a square tube attached to the barrel of the rifle just beyond the hammer. The reflection of the target is caught in one mirror, and this in turn is reflected through the tube to the other, set directly over the barrel, enabling the marksman to aim correctly without danger to himself.



"Lucky I had my steel knuckles on in that raid," says Files on brigade. "What if it had hit my bare hand!"

#### The Non-Ricochet Shell Is a New Terror

THE non-ricochet shell has been used with success by the United States Navy, according to a public statement made by Chairman Oliver of the House committee investigating the conduct of the Navy.

In the past, there have been designed projectiles that will dive, but it was difficult to construct a fuse that will not cause an explosion upon contact with the water. The new shell is a flat-nosed contrivance which, on striking the water, continues its downward course at a slightly lower angle until it reaches its objective. It

may be fired to strike the water on the near side of the target, a periscope, for instance, and submerge until it reaches its objective, a submarine, for example. An ordinary projectile, failing to hit the target but striking the water, will sometimes leap into the air and pass over its objective.

#### Armoring the Infantryman's Knuckles with Steel Bullet Deflectors

IT occurred to C. H. Gavin, of Natick, Mass., that every part of a soldier's anatomy was better protected than his hands, which are really his most valuable tools. So he invented a protector in the form of a piece of steel bent to fit the back of the hand and held in place by a steel strip passing across the palm.

This hand armor does not interfere with the action of the hand in any way. A soldier can dress, shave, eat, and handle his rifle without the least handicap.