

When the Fighting Relaxes the Bayonet Becomes a Periscope

STUDY the accompanying illustration and you will see what a British Tommy can do with his bayonet, by exercising some cleverness and ingenuity. At the point of the blade is affixed an ordinary trench mirror. By leaning back against the parapet the Tommy can see the outskirts of No-Man's Land and the enemy's trenches in his makeshift periscope. Beside him are two observers.



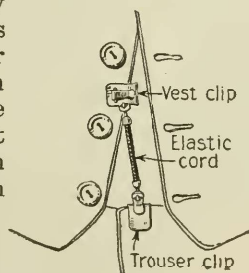
By attaching an ordinary trench mirror to the end of his bayonet blade the Tommy has a makeshift periscope

dilation is this: The sun is enlarged at sunset because the air magnifies it. Of course the air is in a condition to magnify objects all day. But when the sun stands high, we look up through only a thin layer

of air, whereas at sundown our eyes have to pierce the entire depth of the atmosphere—multiplied at least sixteen times. This accounts for the enlargement of the sun. Dust and heated air appear to be the causes of the magnification. Thus the phenomenon is more noticeable in summer and autumn, our dusty seasons.

Why Is the Sun Bigger On the Horizon?

DURING the day when the sun is high, nothing is near it to compare it with in distance, so we think it is small; but when we see it on the horizon with houses and trees and church spires intervening, we believe it to be large. How often have you swallowed this explanation as the truth? To be candid, it is a scientific fib. To prove it, look at the moon from behind a lace curtain or from behind a bush. It will appear not a whit larger. The real explanation of the sun's apparent



Showing the elastic band with the convenient clips

This supporter holds the trousers firmly to the vest

A Simple Supporter Takes the Place of Suspenders



WHEN both trousers and vest are worn without suspenders, the trousers all too frequently sag below the lower edge of the vest, exposing the shirt. This is very unsightly. To avoid it, William Baake, of West Hoboken, New Jersey, has invented a supporter which fastens the trousers securely to the vest and at the same time allows the wearer full freedom of movement.

The supporter is a simple elastic strand with clasps at both ends, one for the vest and the other for the trousers. With the vest buttoned, the clasp is invisible.