

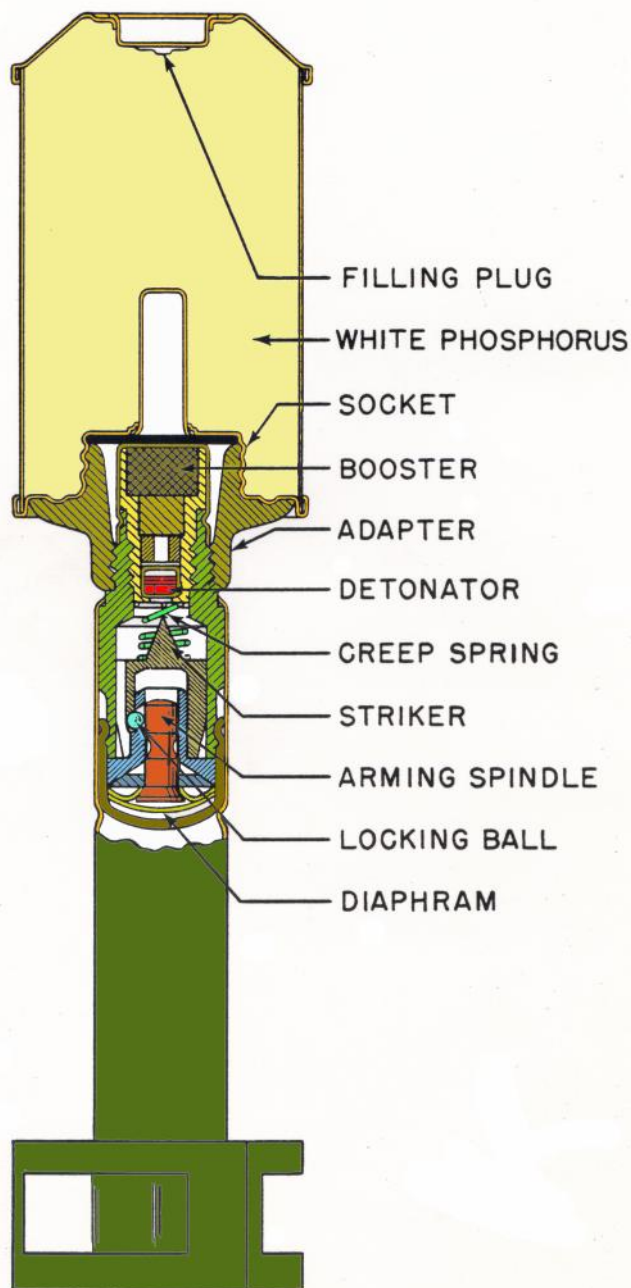
## GRENAD RIFLE SMOKE No. 87

Introduced in June 1947 and declared obsolete in July 1949 so it was a fairly short-lived grenade. The coming inventory of rockets and anti-tank missiles rendered rifle grenades obsolescent.

It was similar to the No. 80 WP grenade in that it was a shortened version with an adaptor in place of the striker mechanism. The adaptor was fitted with a No. 431 fuze.

The grenade came complete and required no preparation prior to firing.

It was filled with 262.2 grammes of White Phosphorous.



### ACTION.

On firing the propellant gasses drive the grenade from the rifle and at the same time they push on the diaphragm. This action pushes the arming spindle forward allowing the locking ball to move into a groove in the spindle. The movement of the locking ball frees the striker. The striker is held away from the detonator only by the creep spring. On impact the striker flies forward onto the detonator, the flash from which is passed through the booster. The explosion from this ruptures the body and scatters the WP which burns on contact with the air.