

6. Protection of Dug-outs.

This is desirable in the case of battalion or brigade headquarters, artillery and signal offices and any place where work has to be carried on during a gas attack, but not in the case of shelters for troops, which should be vacated at such times.

In order to protect dug-outs against gas, the entrances must be closed with well-fitting doors, or by blankets moistened with water or Vermorel Sprayer solution. Trials have shown that little gas passes through a wet blanket and the protection depends on getting a good joint at the sides and bottom of a doorway so as to stop all draughts. This can be effected by letting the blanket rest on battens fixed, with a slight slope, against the door frame. The blankets should overlap the outer sides and a fold should lie on the ground at the bottom. Types can be seen at Divisional and Army Anti-Gas Schools. If two blankets can be used with an air-space of not less than 3 feet between them, complete protection can be obtained and the entrance can be used without admitting large quantities of gas.

When not in use, the blankets should be rolled up and held so that they can be readily released, and should be sprayed occasionally with a little Vermorel Sprayer solution.

Blankets must be dropped immediately the gas alarm is given and as little movement as possible should take place in and out of a dug-out during a gas attack. Men going in or out should close one blanket carefully before raising the other and pass through very quickly.

If the blankets become stiff from a deposit of chemicals, they should be sprayed with water.

IV. LIQUID FIRE ATTACKS.

The German FLAME PROJECTOR, used against us hitherto, consists of a cylinder containing oil and compressed nitrogen, which can be carried on a man's back. The compressed gas is used to force out the oil, which ignites at the jet and spreads out in a broad cone of flame and smoke. This covers about 6 yards of front when stationary and has an extreme range of only 30 yards and a duration of ONE MINUTE. Instruments of a longer range will probably be used in the future.

The smoke is very dense and black, the flames are a yellowish red and there is a loud roaring noise. The moral effect is