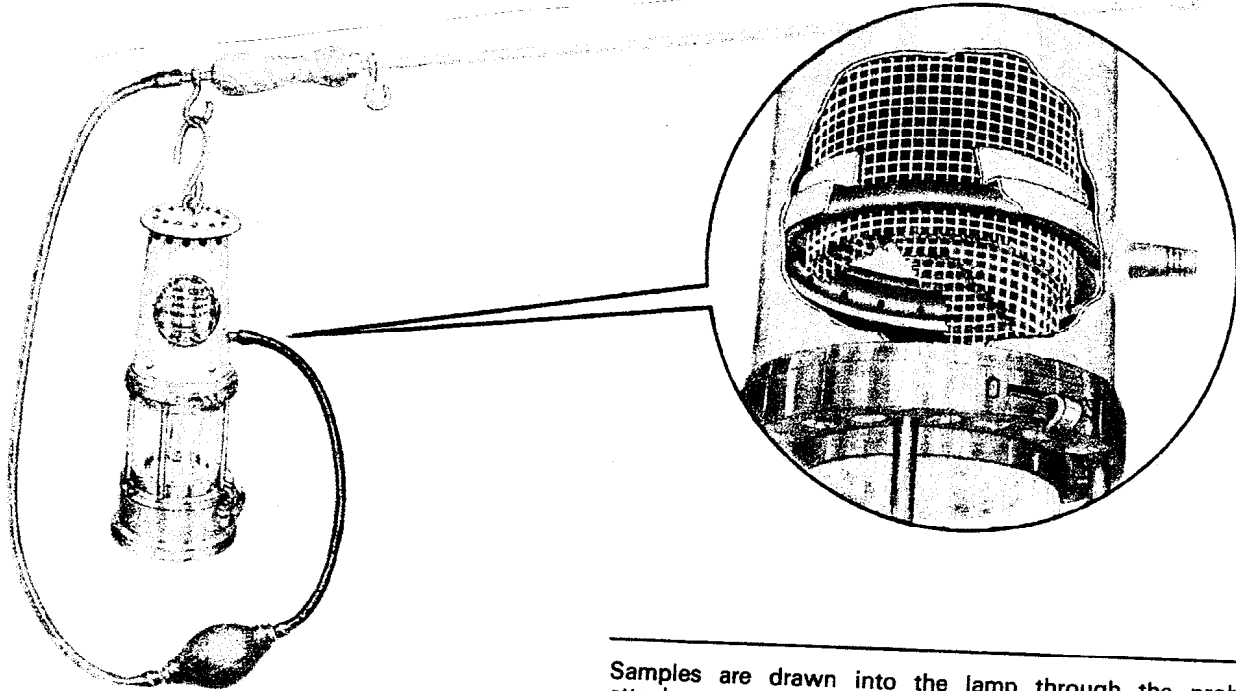


## PROBE FLAME SAFETY LAMPS

Probe flame safety lamps are essentially the same as other modern safety lamps (apart from the Garforth lamp). They differ only in having an inlet nipple on the

bonnet of the lamp to allow them to be used with an aspirator bulb and probe, in testing samples taken from the roof or other places difficult of access.



Samples are drawn into the lamp through the probe attachment.

### USING A PROBE SAFETY LAMP (6RS or GTL9P)

- (a) Connect the aspirator bulb to the probe and to the inlet nipple on the bonnet of the lamp. All connections must fit tightly to prevent leakage.
- (b) Set a testing flame.
- (c) Close the middle ring (and, with the Patterson lamp, the top shut-off ring also).
- (d) Hold the probe end at the point to be sampled. Hold the bulb vertically with the outlet valve uppermost.
- (e) First, make six deliberate pumps. If the flame begins to spire, cease pumping at once and withdraw the probe.
- (f) Then, if the flame does not spire, make a further 20 pumps, but this time more rapidly at a rate of at least one pump a second.
- (g) Observe the flame cap – which will be the same as for a 'general body' observation, except that the white eye may become more prominent.
- (h) When the cap has been read, open the middle ring, unless immediately proceeding to take another remote sample.



Testing for gas in the waste with a Probe Lamp.