Operating Principles

The carbureter consists basically of the main body and the float chamber cover, with a gasket separating the two. The main body contains two induction barrels, each having an independent idle speed and power metering system. The throttle shaft, which passes through both barrels, controls two throttle valves and carries a thrust block and a throttle arm.

Schematic View of Carbureter

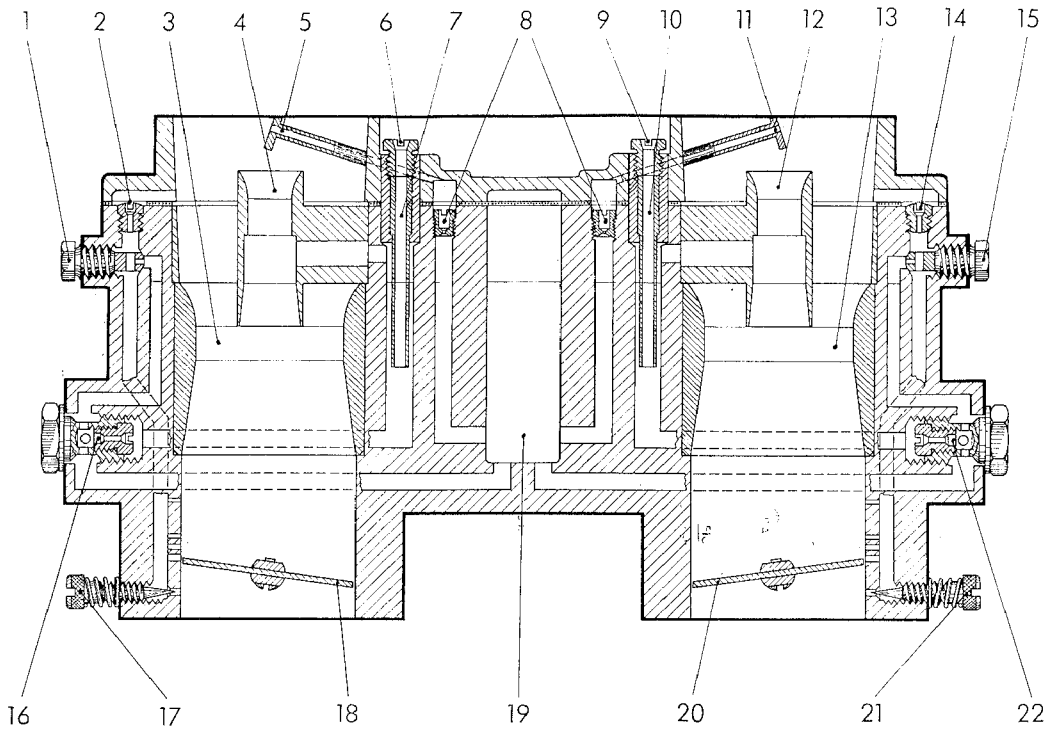

Fig. 2

For reasons of schematic clarity the throttle shaft is purposely shown in an untrue, transverse arrangement.

① Idle metering jet
② Idle air bleed
③ Main venturi
④ Primary venturi
⑤ Power enrichment nozzle
⑥ Air correction jet
⑦ Emulsion tube
⑧ Power enrichment jets
⑨ Air correction jet
⑩ Emulsion tube
⑪ Power enrichment nozzle
⑫ Primary venturi
⑬ Main venturi
⑭ Idle air bleed
⑮ Idle metering jet
⑯ Main jet carrier
⑰ Idle mixture adjustment
⑱ Throttle valve
⑲ Float chamber
⑳ Throttle valve
㉑ Idle mixture adjustment
㉒ Main jet carrier