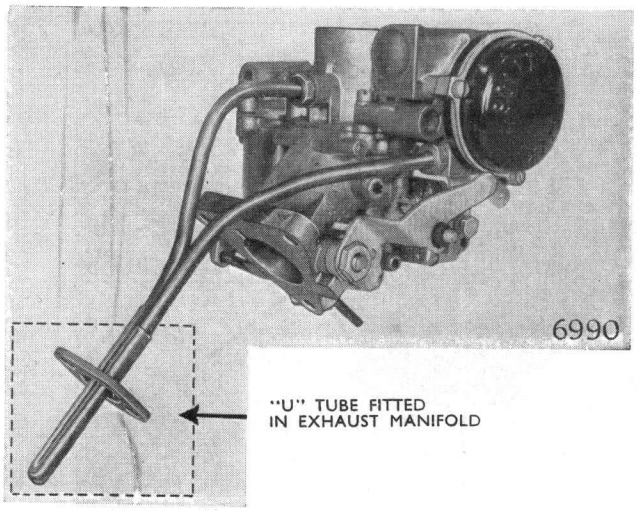

Fig. 7. *"U" tube used in exhaust manifold and connections to carburettor*

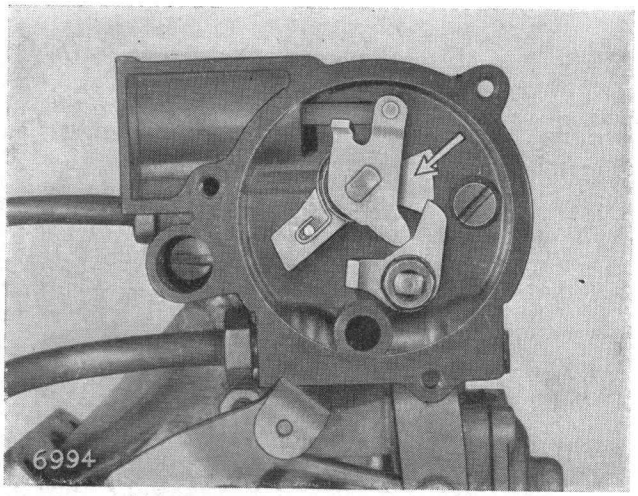

Fig. 9. *Fast idle stepped cam in moderate cold starting position*

the choke valve WHILE THE ACCELERATOR IS DEPRESSED. This prevents the engine from being supplied with too rich a mixture under cold drive away conditions.

Correct tensioning of the large bi-metal spring that controls the position of the choke valve is ensured by replacement of the cover, to which the inner coil of this spring is attached, so that the white dot or white line on its top edge is in the position shown in Fig. 14. This is most important.

The correct method of refitting the automatic choke cover is given under "Difficult starting from cold" on page 16.

More particulars of the automatic choke are shown in Figs. 7-13.

Manual choke (See Fig. 13A)

This choke (strangler) system is operated by a cable connected to a small lever situated in front of the gear change lever.

An external linkage connects the choke spindle lever to the throttle spindle so that the throttle is opened to the cold start fast idle position when the choke valve is closed. This linkage also allows the choke lever to be used as a hand throttle to increase the engine idling speed as needed, before the engine has warmed up, after cold starting.

The choke (strangler) valve is mounted on an offset spindle. This allows atmospheric pressure to open the choke valve, against its light return spring, so that enough

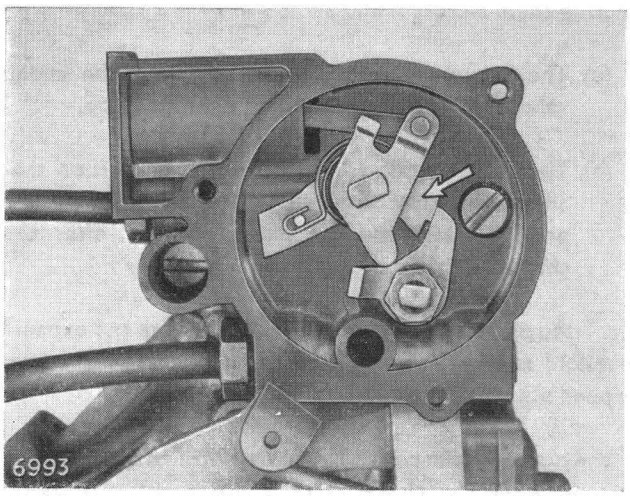

Fig. 8. *Fast idle stepped cam in very cold starting position*

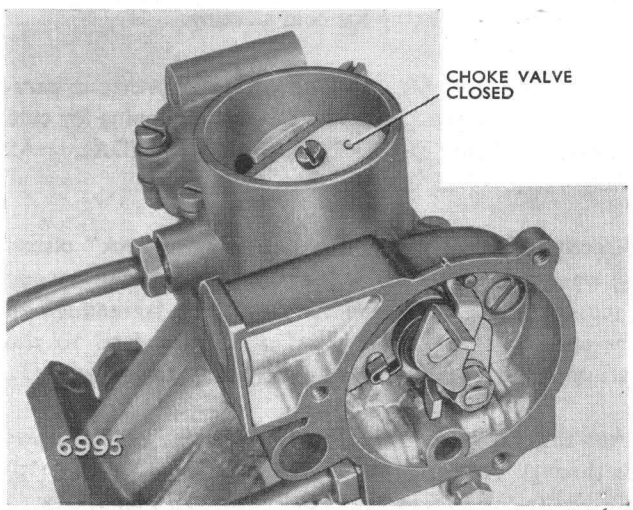

Fig. 10. *Choke valve in cold starting position—all conditions*