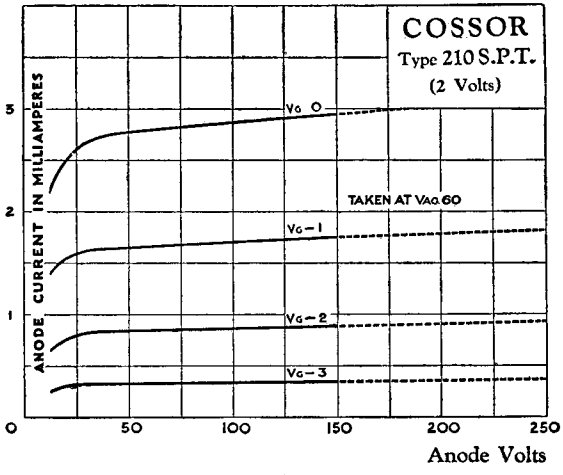
COSSOR 210 S.P.T.

2-VOLT H.F. PENTODE

This high frequency pentode has a normal anode-current grid-voltage curve without the so called variable-mu characteristic. In consequence, when used as an H.F. amplifier, it should be used only in the first position in the set where the signal voltage is small.

The Cossor 210 S.P.T. is an extremely brilliant detector valve, and may be used as a leaky grid detector when transformer coupled, which will result in a very large gain in the detector stage, or it may be used as anode bend detector followed by resistance coupling, where the gain will be slightly larger than a triode valve used with transformer coupling.

This method is, however, to be avoided when smooth reaction is required, as it is almost impossible of attainment when using such a valve working at anode bend. Perfectly smooth reaction is, of course, obtainable when using this valve as a leaky grid detector.

TECHNICAL DATA

Filament Voltage	2
Filament Current (Amps.)	·1
Mutual Conductance	1·3 m.a./v.
Maximum Anode Voltage	150
Maximum Auxiliary Grid Voltage	80
Anode Current for 150 Anode Volts, 0 grid bias	3 m.a.
Anode Current for 150 Anode Volts and — 1·5 volts grid bias	2 m.a.