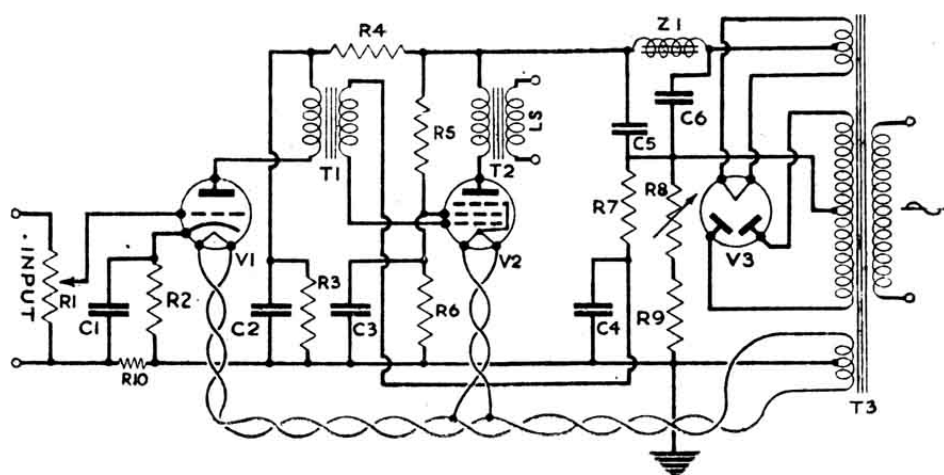


LOW FREQUENCY AMPLIFIERS—Contd.

CIRCUIT No. 4

**12-watt All-Mains Amplifier
with Pentode Output Valve.**



V1.....354V

V2.....PM.24B

V3.....D.W.4

R1.....250,000 ohm Volume Control

R2.....1,000 ohm Resistance (wire wound)

R3.....200,000 ohm Resistance (wire wound)

R4.....50,000 ohm Resistance (wire wound)

R5.....10,000 ohm Resistance (wire wound)

R6.....100,000 ohm Resistance (wire wound)

R7.....100,000 ohm Resistance (wire wound)

R8.....500 ohm Variable Resistance

R9.....1,500 ohm Resistance (wire wound)

C1 = C2 = C3 = C4...2 mfd.

C5.....8 mfd.

C6.....4 mfd.

T1.....Inter-valve Transformer

T2.....Pentode Output Transformer

T3.....Mains Transformer with 3 secondary windings

(a) 2-0-2 volts (RMS) to give 2 amps.

(b) 400-0-400 volts (RMS) to give 45 mA.

(c) 2-0-2 volts (RMS) to give 2 amps.

Z1.....30 to 60 henry Choke to carry 45 mA. D.C.

Mullard the Master Valve