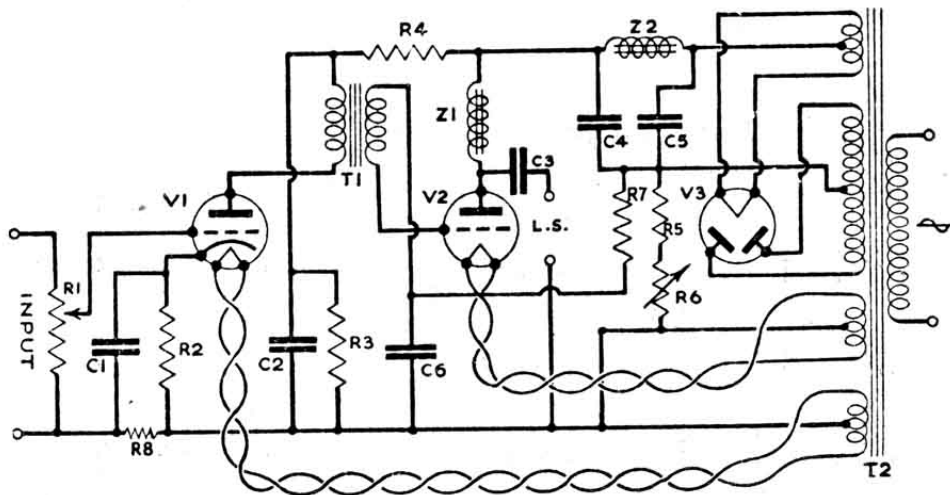


LOW FREQUENCY AMPLIFIERS—Contd.

CIRCUIT No. 5

25-watt All-Mains Amplifier with Triode Output Valve


$$V_I \dots 354V$$

V2...DÖ.25

V3...DW.4

R1...500,000 ohm Volume Control

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

R3...200,000 ohm Resistance

R4...50,000 ohm Resistance

R5...1,250 ohm Resistance

R6...500 ohm Variable Resistance

R7...0.1 megohm Decoupling Grid Leak

R8...o.1 megohm Decoupling Grid Leak

C1...2 mfd. Blocking Condenser

C2...2 mfd. Blocking Condenser

C_{3...4} mfd. Condenser (working voltage 500)

C4...4 mfd. Condenser (working voltage 500)

C5...4 mfd. Condenser (working voltage 500)

C6...2 mfd. Blocking Condenser

T1...Inter-valve Transformer

T2...Mains Transformer with four secondaries

(a) 4-volts, 2.0 amps.

(b) 500-0-500 volts ; 120 mA.

(c) 3-0-3 volts, 1.8 amp.

(d) 2-0-2 volts, 1 amp.

Z1...30 henry Choke to carry 63 mA.

Z2...50 henry Choke to carry 120 mA.

Mullard the Master Valve