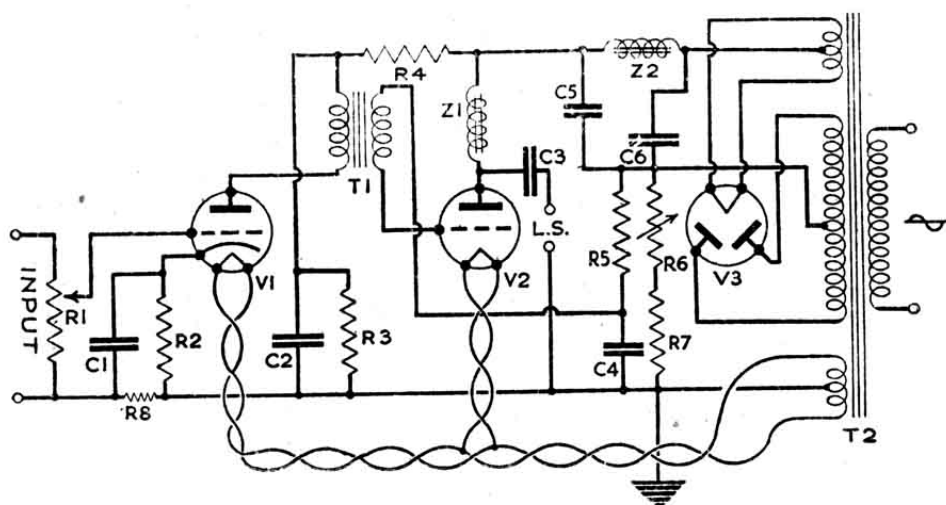


LOW FREQUENCY AMPLIFIERS—Contd.

CIRCUIT No. 3

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



V₁.....354V

V₂.....A.C.044

V₃.....D.W.2

R₁.....250,000 ohm Volume Control

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

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

R₄.....20,000 ohm Resistance (wire wound)

R₅.....100,000 ohm Resistance (wire wound)

R₆.....500 ohm Variable Resistance

R₇.....750 ohm Fixed Resistance

L.S. ...Loud Speaker

C₁ = C₂ = C₄...2 mfd.

C₃ = C₆...4 mfd.

C₅.....8 mfd.

T₁.....Inter-valve Transformer

T₂.....Mains Transformer with 3 secondary windings

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

(b) 200-0-200 Volts (RMS) to give 40 mA.

(c) 2-0-2 Volts (RMS) to give 1 amp.

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

Z₂.....30 to 60 henry Choke to carry 35 mA. D.C.

Mullard the Master Valve