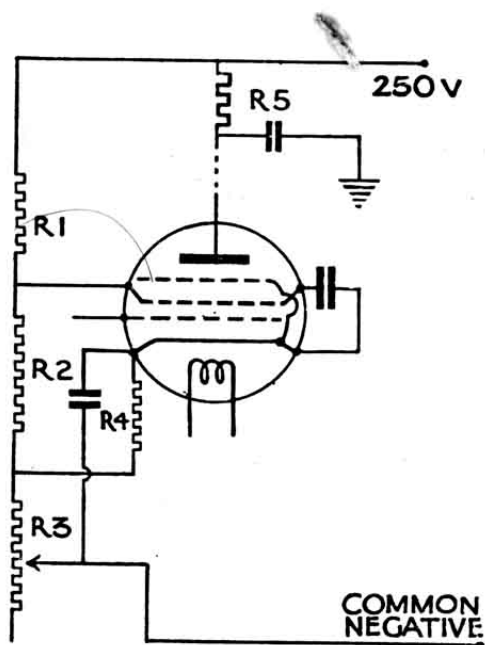


DIAGRAM No. 2.



Automatic Bias for Indirectly-heated Multi-mu, H.F. Pentode or Multi-mu Screened Grid Valve.

Care is necessary in designing this circuit to choose such values for the various resistances that the tendency for the screen voltage to rise at big values of grid bias is automatically corrected. The following table gives the recommended network for a V.P. 4 multi-mu H.F. pentode. Column 2 gives the resistance values when the valve is operated on a short grid base (20 volts) and Column 3 gives the values when the full grid base (40 volts) is employed.

| Resistance No. | Values in ohms | |
|----------------|---|---|
| | Short Grid Base (Aux. Grid Volts 65) | Long Grid Base (Aux. Grid Volts 100) |
| R. 1. | 30,000 | 20,000 |
| R. 2. | 12,000 | 20,000 |
| R. 3. | 3,000 | 8,000 |
| R. 4. | 400 | 200 |
| R. 5. | 16,000 | 8,000 |