

The P.W. SIGNAL GENERATOR

PUBLISHED BY GEO. NEWNES LTD., TOWER HOUSE, SOUTHAMPTON STREET, LONDON W.C.2.

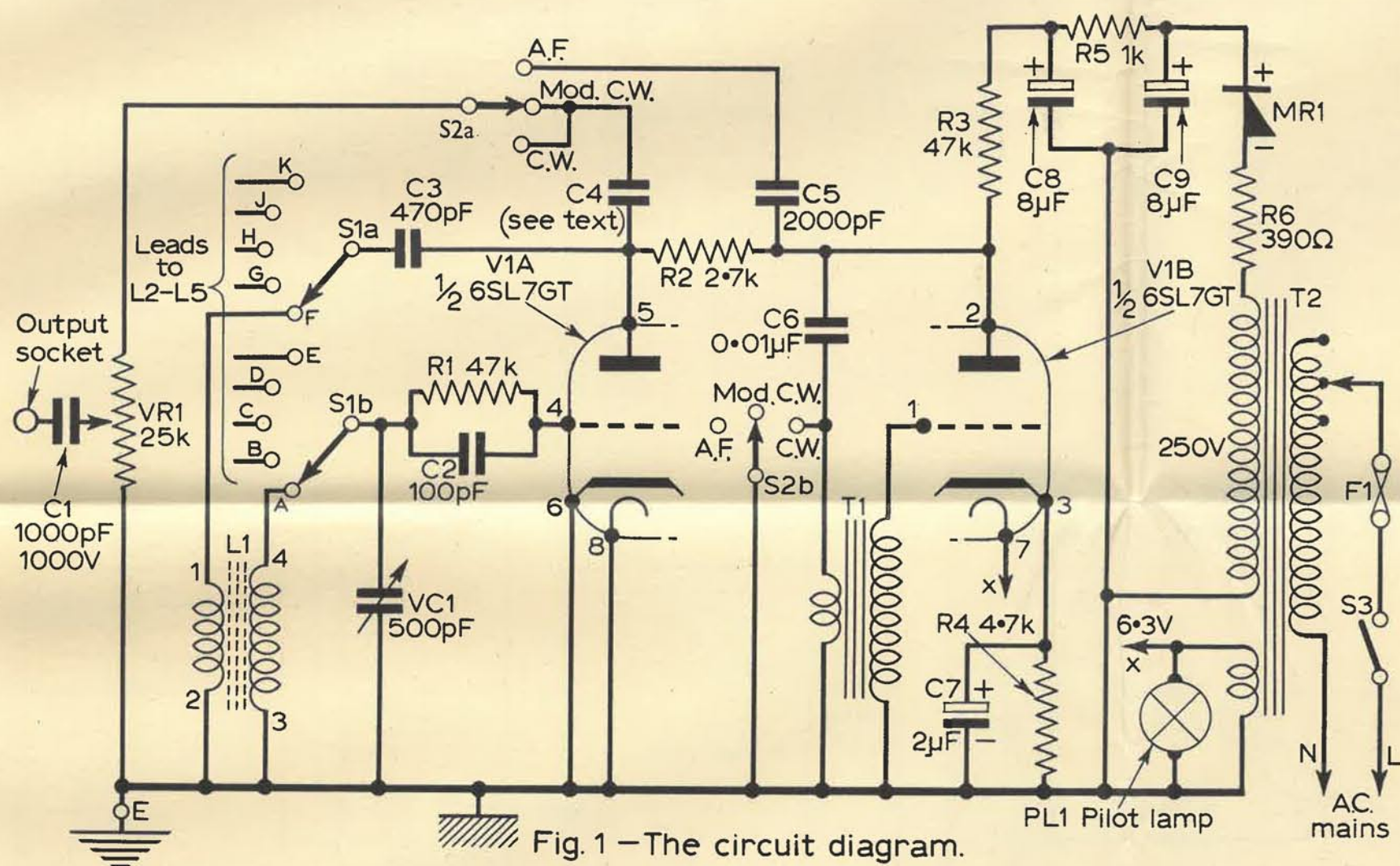


Fig. 1 - The circuit diagram.

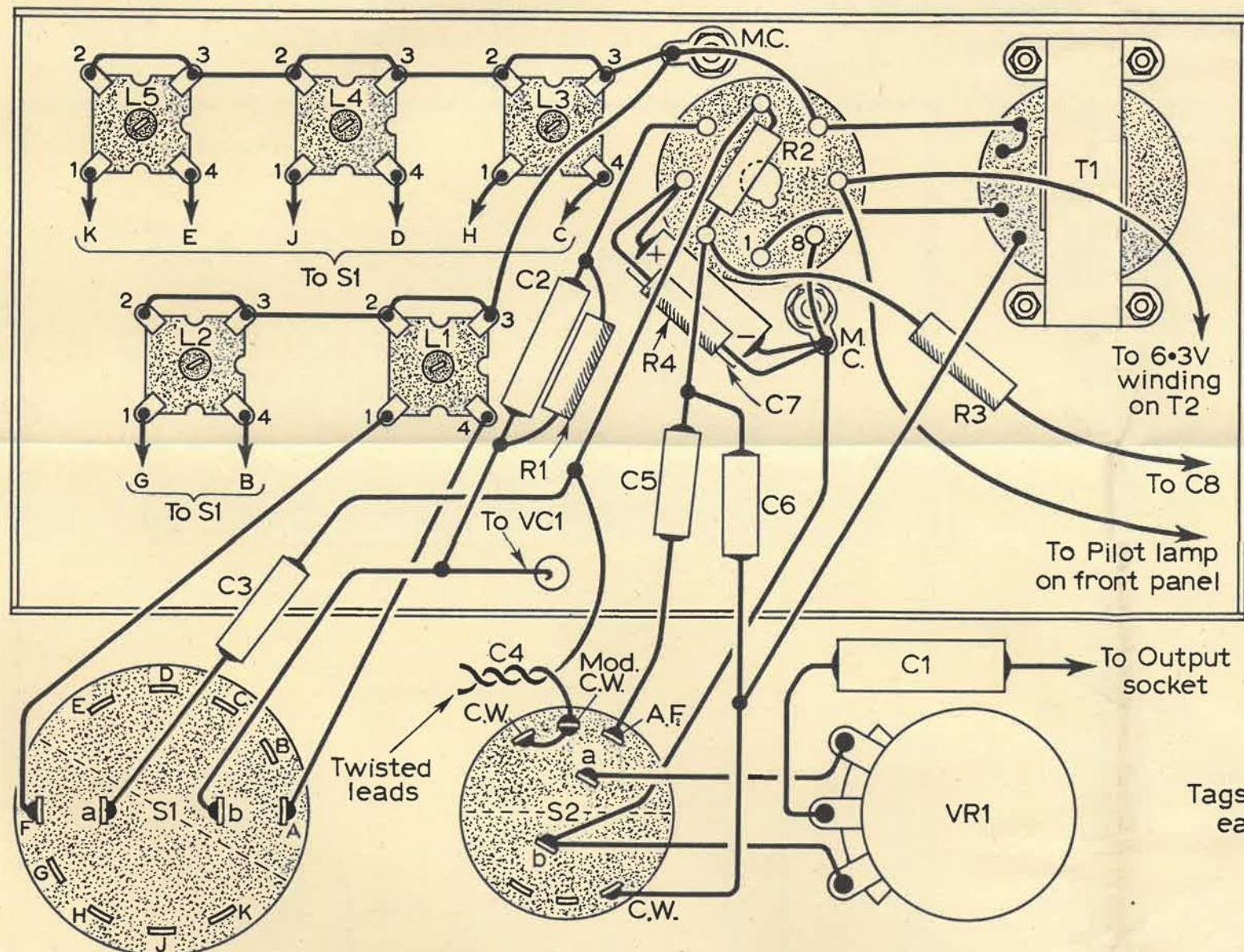


Fig. 2 - The RF/A.F. chassis wiring.

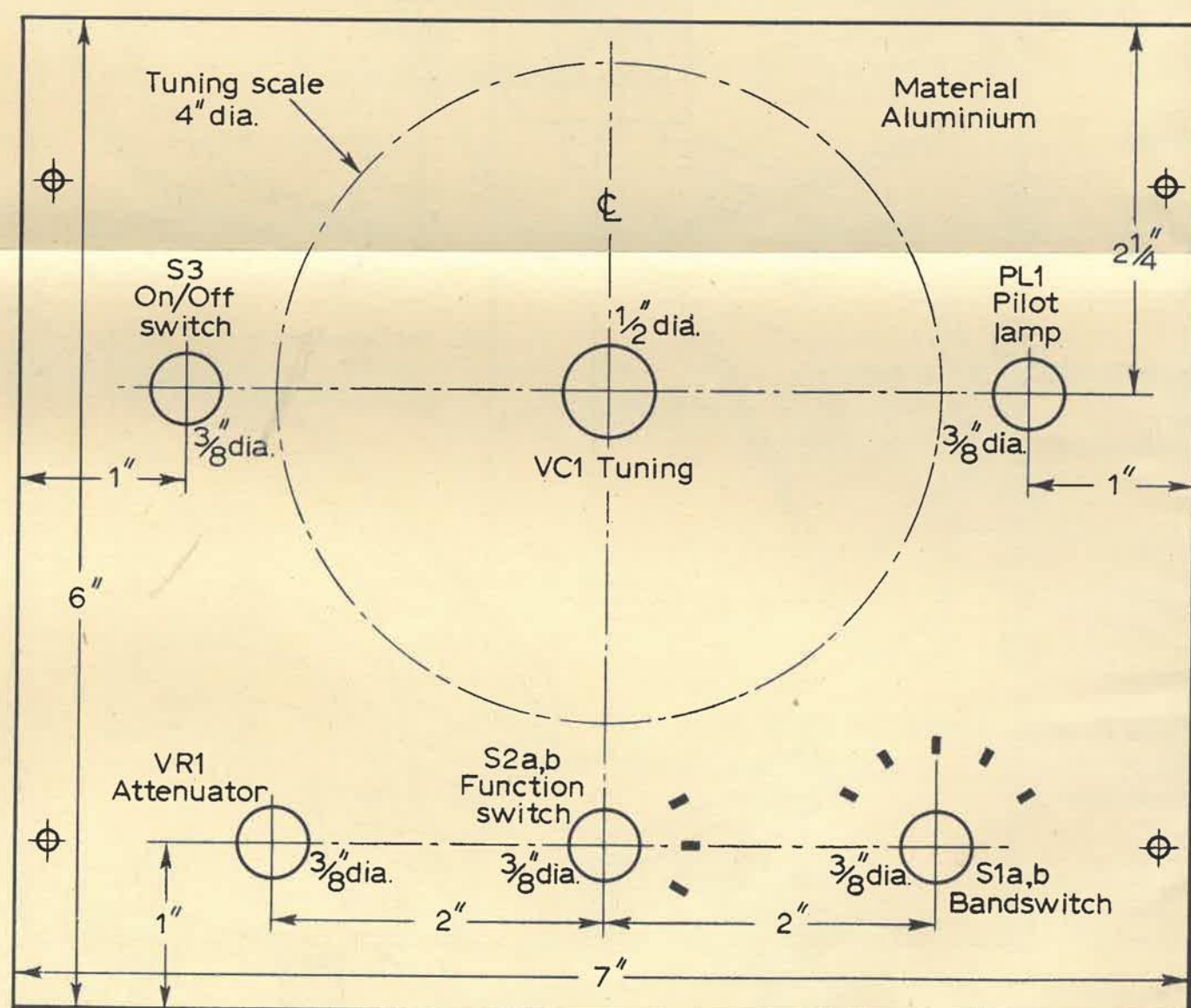


Fig. 3 - Front panel details.

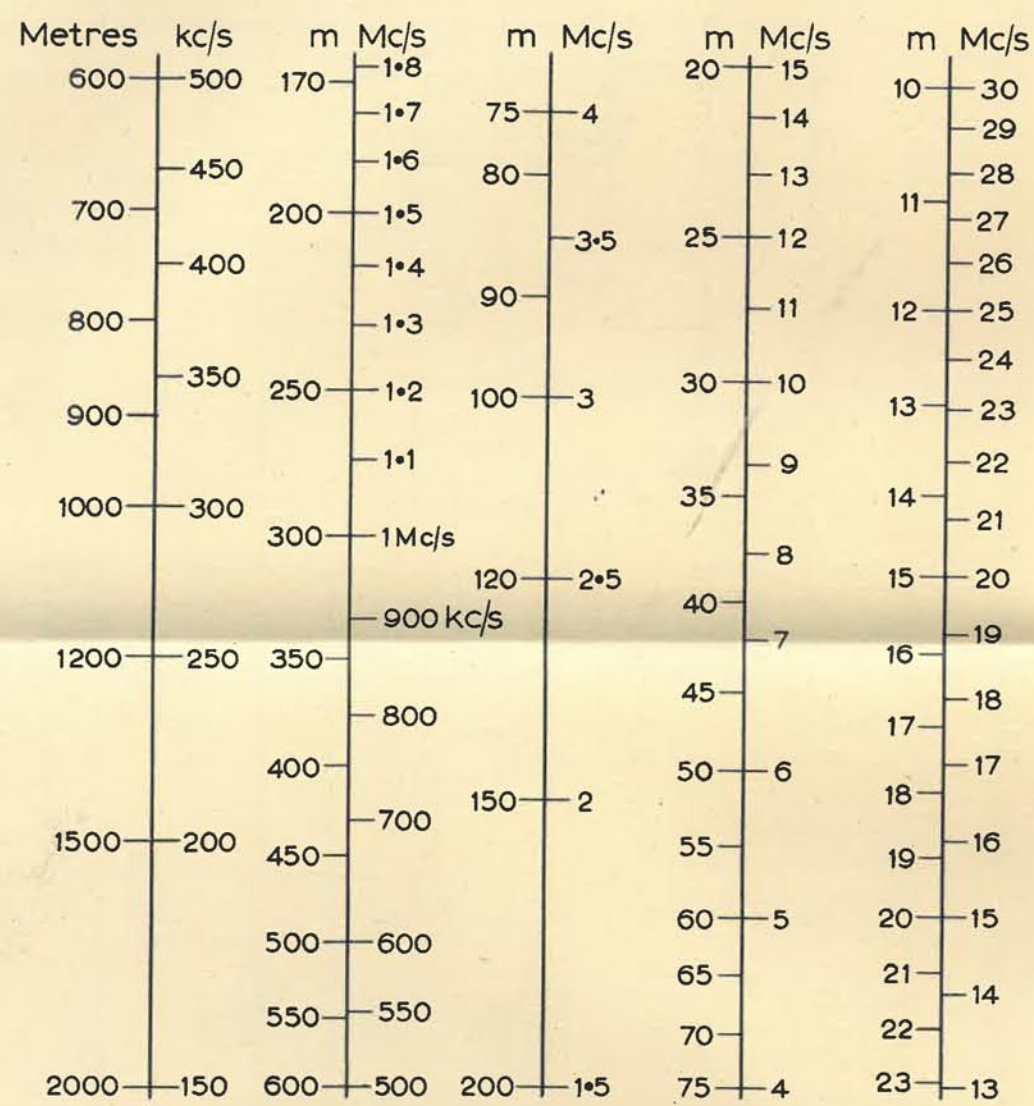


Fig. 4 - Wavelength-Frequency conversion scales.

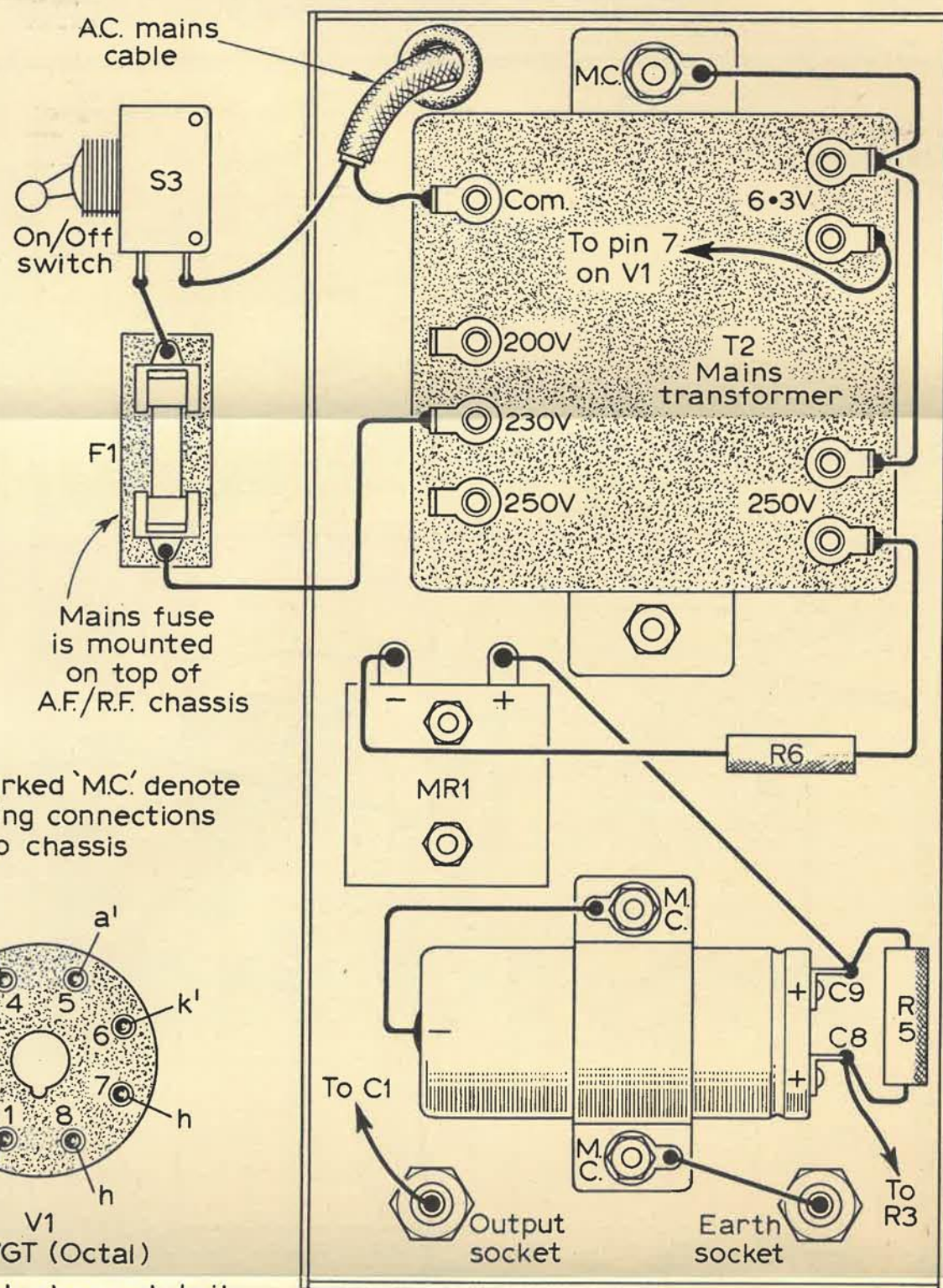


Fig. 5 - Valvebase details.

Fig. 6 - The power pack wiring.

COMPONENTS LIST

Resistors:
(All 1/2W, 10% unless otherwise stated.)

R1 47k
R2 2.7k
R3 47k
R4 4.7k
R5 1k 1W
R6 390Ω
VR1 25k potentiometer

Capacitors:

C1 1000pF 1kV mica
C2 100pF
C3 470pF
C4 See text
C5 2000pF
C6 0.01μF
C7 2μF 25V
C8, C9 8μF+8μF elec 250V
VC1 500pF tuning (Jackson EI)

Valve:

V1 6SL7GT
Coils (Osborn):
L1 QOJ
L2 QO2

L3 QO4
L4 QHFO8
L5 QHFO6

Transformers:

T1 A.F. output transformer (see text)
T2 Mains transformer (Elstone MT11 0-250V 25mA, 6.3V 1A)

Rectifier:

MR1 E250 C50

Chassis:

Front panel 7in. x 6in. aluminium
A.F./R.F. chassis 6in. x 3in. with 1/4in. flanges all round.

Switches:

S1a, b 2-pole, 5-way band switch
S2a, b 2-pole, 3-way function switch
S3 Single-pole on/off switch

Miscellaneous:

Output and earth sockets, 6.3V 0.3A pilot lamp, 1A fuse, B9A valveholder, card and Perspex for front panel, control knobs, handle, connecting wire, nuts and bolts, etc.