

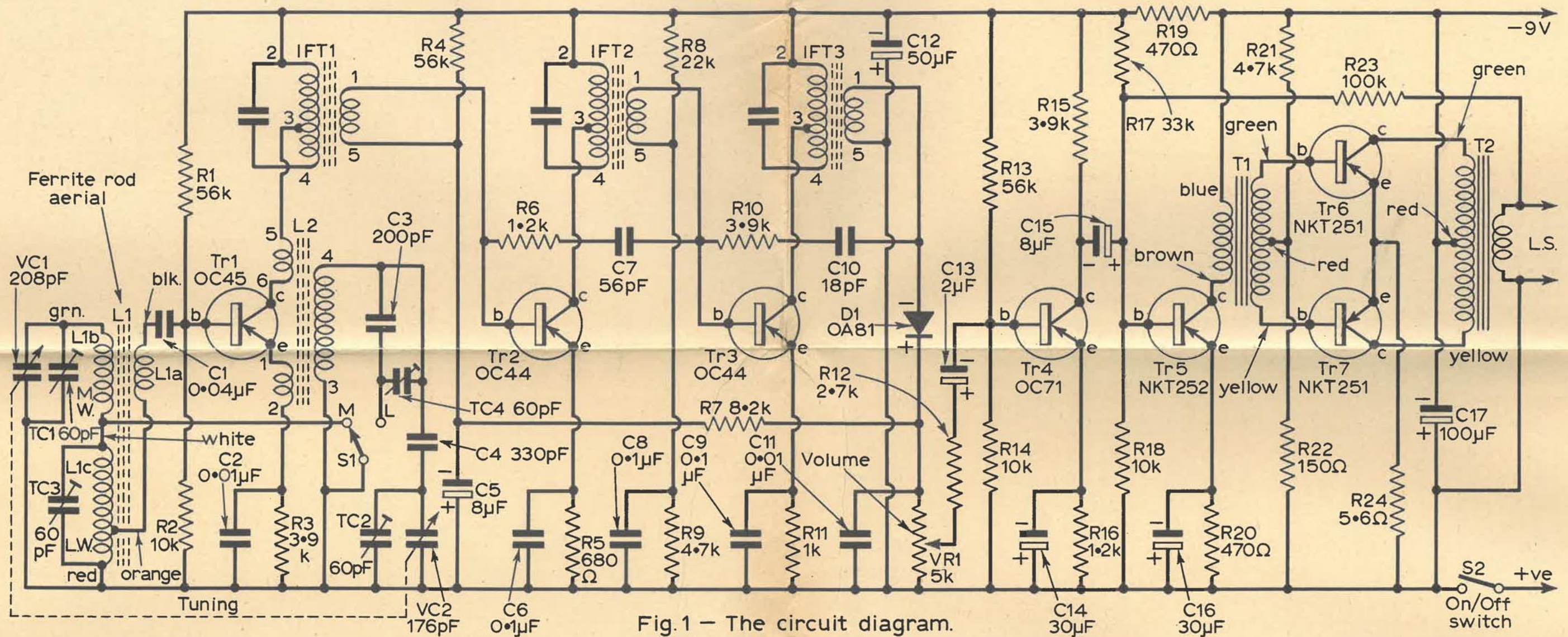


Fig. 1 - The circuit diagram.

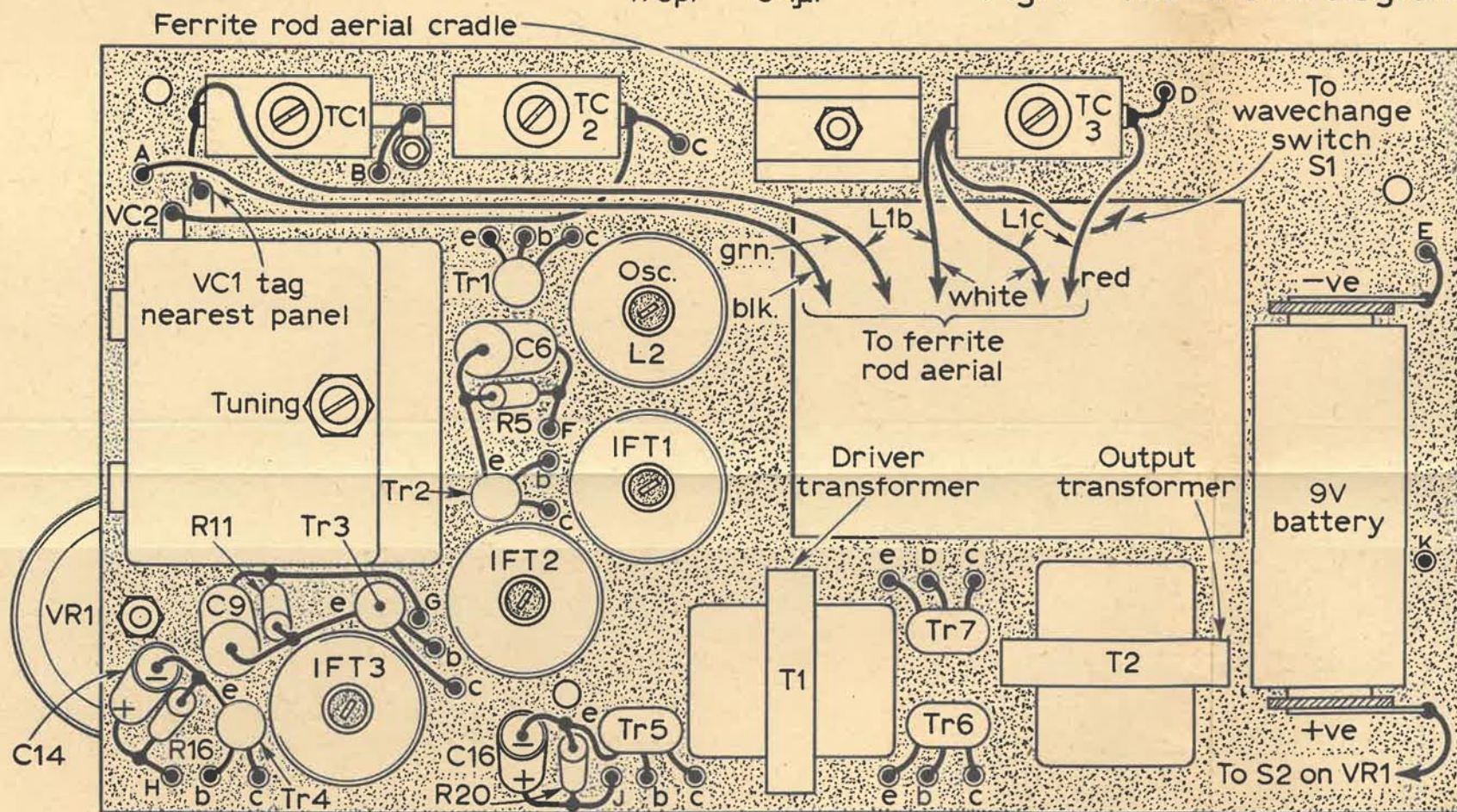


Fig. 2 - Wiring on the rear of the panel.

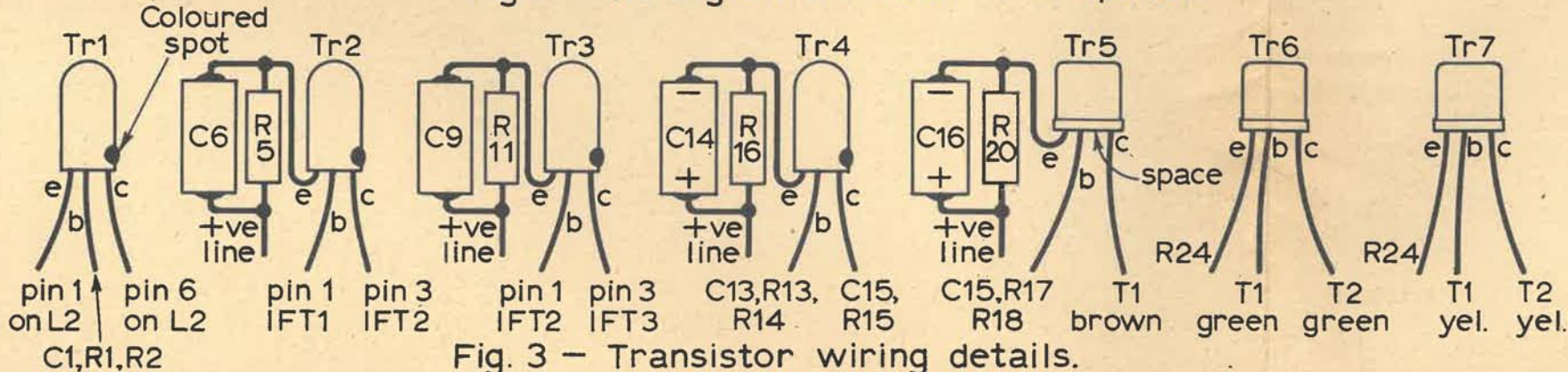


Fig. 3 - Transistor wiring details.

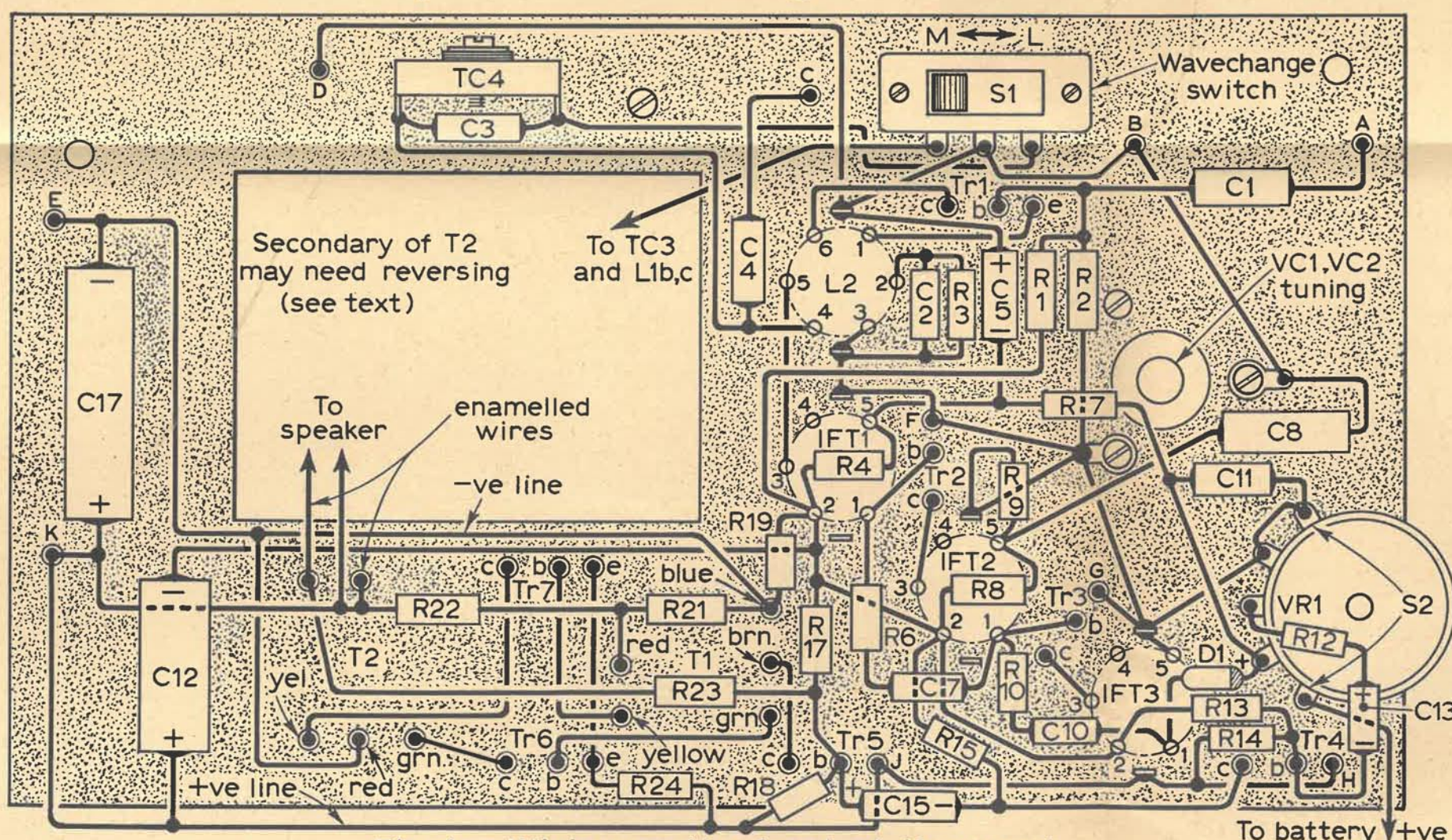


Fig. 4 - Wiring on the front of the panel.

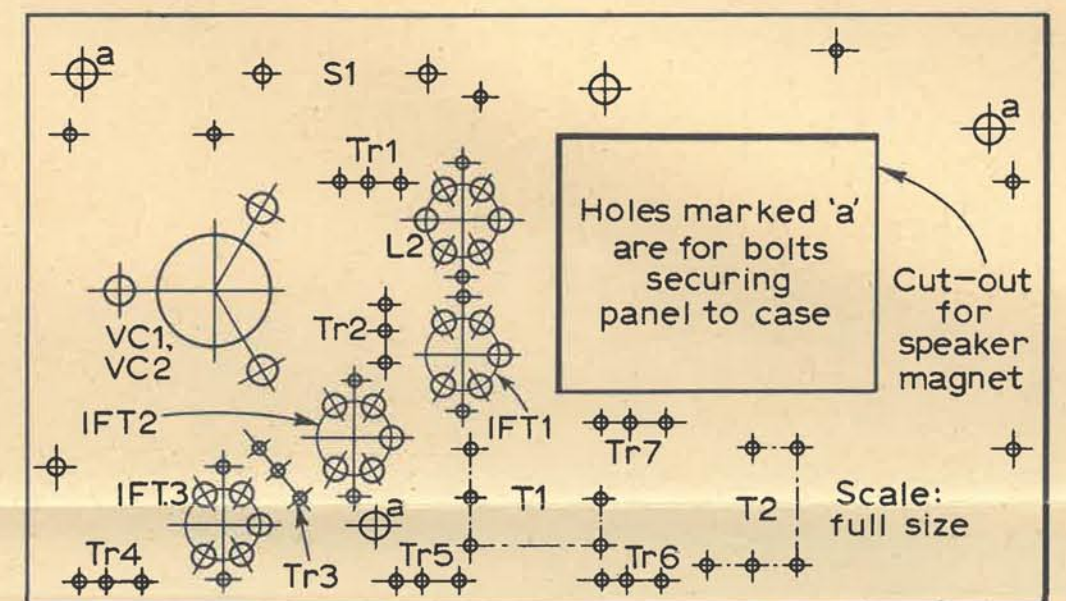


Fig. 5 - Template for panel drilling.

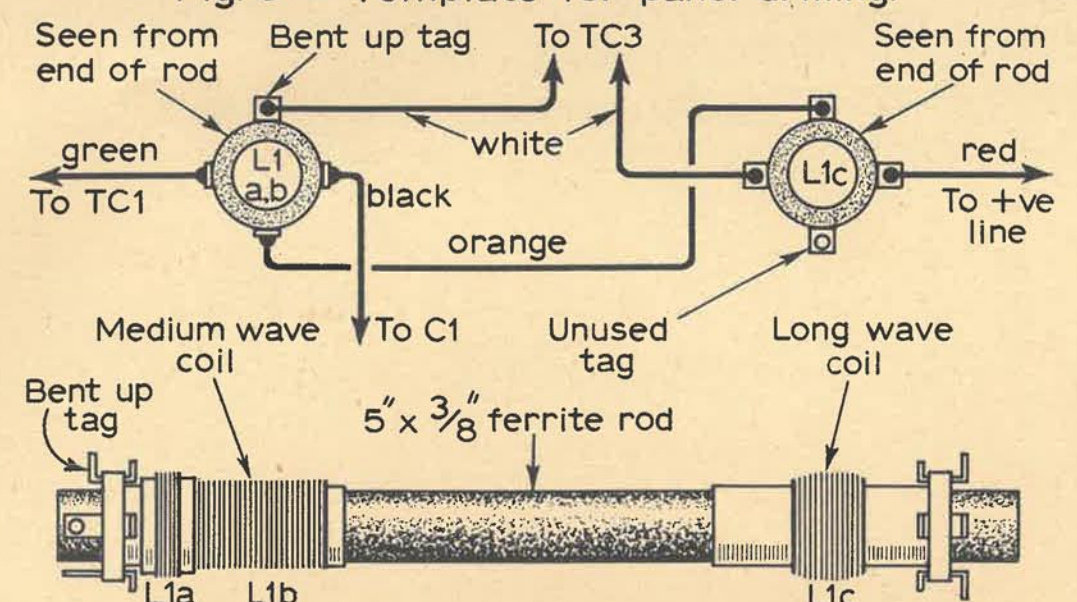


Fig. 6 - Ferrite rod aerial connections.

COMPONENTS LIST

Resistors: (All 1/4W, 10% unless otherwise stated.)	VC1/VC2 208/176pF two gang tuning condenser with screen between sections, (Jackson 00 type)
R1 56k	TC1, TC2, TC3, TC4 60pF miniature trimmers
R2 10k	Coils (Osmor):
R3 3.9k	L1 Ferrite rod aerial type FR1 (with cradle and strap)
R4 56k	L2 Oscillator coil—PW/01
R5 680Ω	Transformers (Osmor):
R6 1.2k	IFT1 PW/2
R7 8.2k	IFT2 PW/2
R8 22k	IFT3 PW/3
R9 4.7k	T1 Driver transformer—PW/DT
R10 3.9k	T2 Output transformer—PW/OT
R11 1k	Transistors:
R12 2.7k	Tr1 OC45, Tr2 OC44, Tr3 OC44, Tr4 OC71 (Mullard)
VR1 5k pot. with switch (S2)	Tr5 NKT252, Tr6 and Tr7, matched pair of NKT251 (Newmarket)
	Diode (Mullard):
	OA81
	Battery:
	9V Ever-Ready
	Chassis:
	Paxolin, about 5 1/2 in. x 3 1/2 in. x 1/8 in.
	Wavechange Switch (S1):
	Single-pole, two-way, miniature slide type
	Miscellaneous:
	Plastic cabinet and loudspeaker (Osmor), battery clips, 26s.w.g. tinned copper wire, 1mm sleeving, etc.
Capacitors:	
C1 0.04μF 150VW	
C2 0.01μF 150VW	
C3 200pF	
C4 330pF	
C5 8μF 6VW	
C6 0.1μF 150VW	
C7 56pF 2%	
C8 0.1μF 150VW	
C9 0.1μF 150VW	
C10 18pF 2%	
C11 0.01μF 150VW	
C12 50μF 12VW elec.	
C13 2μF 6VW elec.	
C14 30μF 9VW elec.	
C15 8μF 6VW elec.	
C16 30μF 9VW elec.	
C17 100μF 12VW elec.	