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WITH
"PRACTICAL WIRELESS"
DECEMBER 1963

Practical Wireless

Beginner's 10watt TRANSMITTER

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

PRICE
5/-

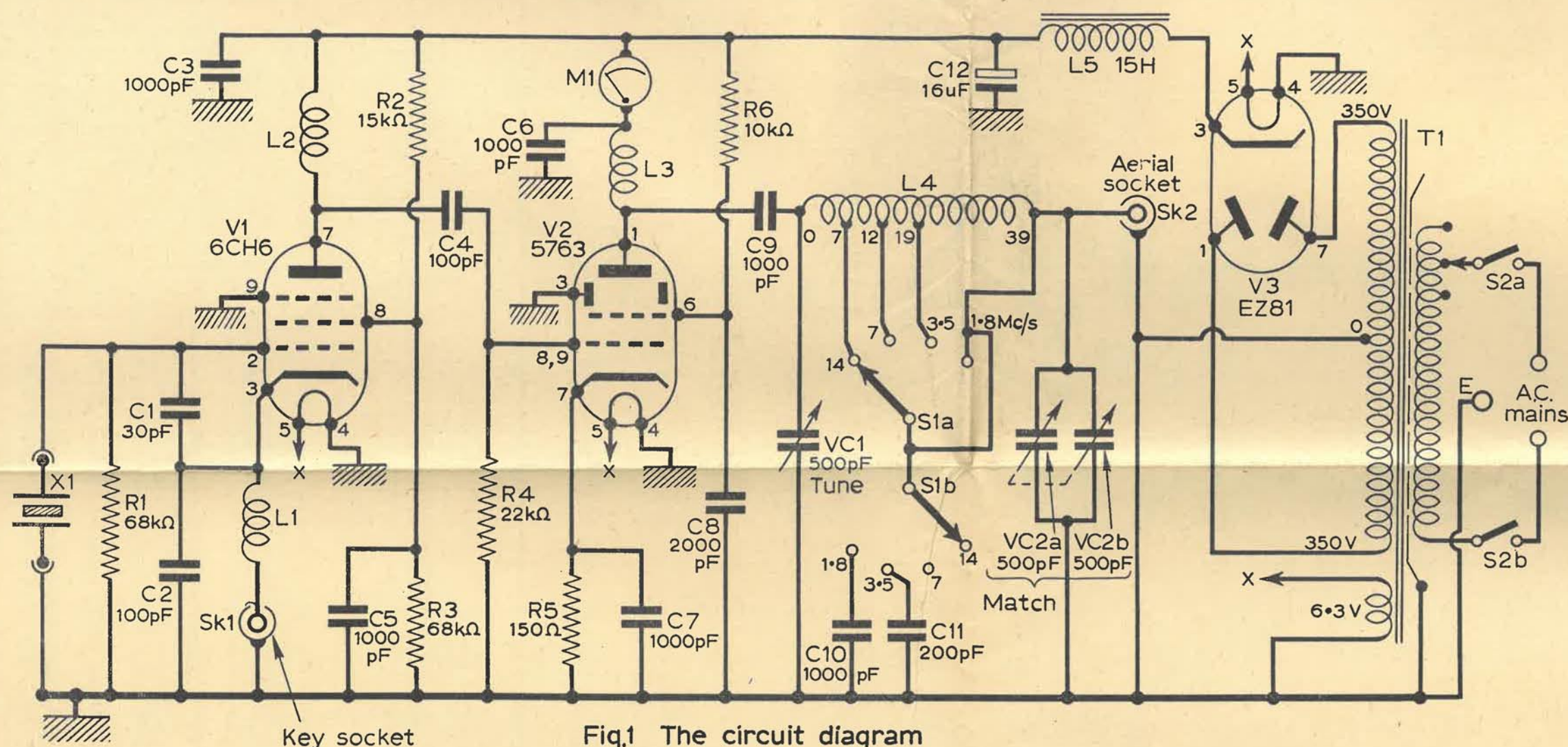


Fig.1 The circuit diagram

COMPONENTS LIST	
Resistors:	
R1 68k Ω	R4 22k Ω
R2 15k Ω	R5 150 Ω
R3 68k Ω	R6 10k Ω
All 1W carbon	
Capacitors:	
C1 30pF	C8 0.002 μ F
C2 100pF	C9 0.001 μ F
C3 0.001 μ F	C10 0.001 μ F
C4 100pF	C11 200pF
C5 0.001 μ F	C12 16 μ F electrolytic
C6 0.001 μ F	C13 450V
C7 0.001 μ F	C14 500pF air spaced variable
VC1 500pF air spaced variable	VC2 500pF+500pF twin gang air spaced variable (wired in parallel)
Inductors:	
L1 R.F. choke 2.5mH 30 Ω 50mA (Eddystone)	
L2, 3 R.F. choke 2.6mH 20 Ω 100mA (Denco)	
L4 P.A. coil (see Fig. 4 and text)	
L5 L.F. choke 15H 100mA	
Valves:	
V1 6CH6	V2 5763
V3 EZ81	
Miscellaneous:	
M1 Moving coil meter 0-50mA	
S1 2-pole, 4-way single wafer rotary switch	
S2 Double-pole single-throw toggle switch	
SK1, 2 Coaxial socket (Belling Lee L604/S/CD)	
T1 Mains transformer. Tapped primary. Secondaries: 350-0-350V, 100mA; 6.3V 3A	

Crystal socket, double type to take 10X or 10XJ crystals. Coil former, ribbed 1 $\frac{1}{2}$ in. dia. 2 $\frac{1}{2}$ in. long. Tag strips. Stand-off insulators. Three 9BA valveholders (2 ceramic, 1 phenolic). Three control knobs. Chassis 11 x 6 $\frac{1}{2}$ x 2in. Front panel 12 x 7in. Cabinet 12 x 7 x 7in. (H. L. Smith & Co., 287 Edgware Road, London, W.2). B.A. screws and bolts.

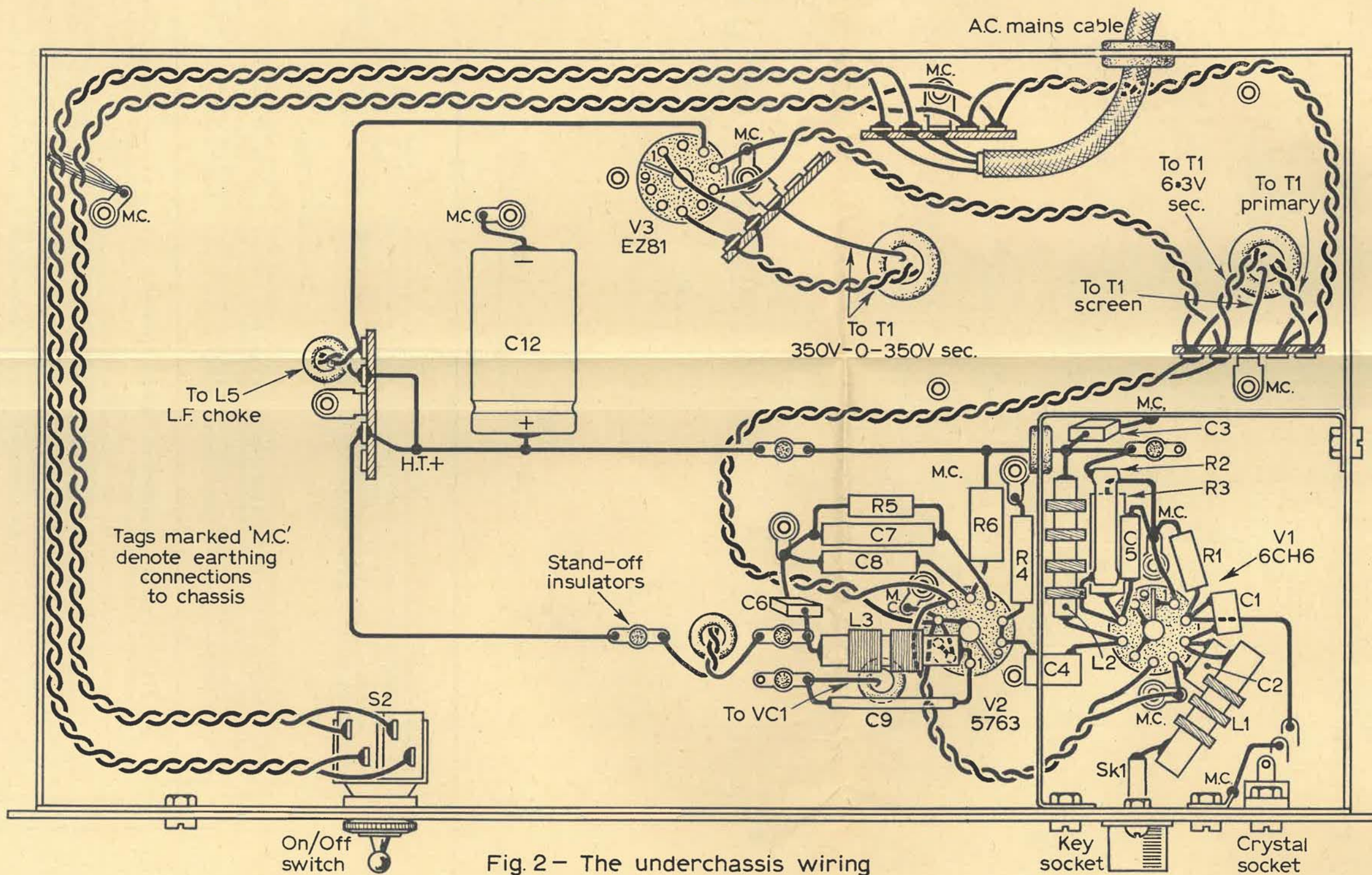


Fig.2 The underchassis wiring

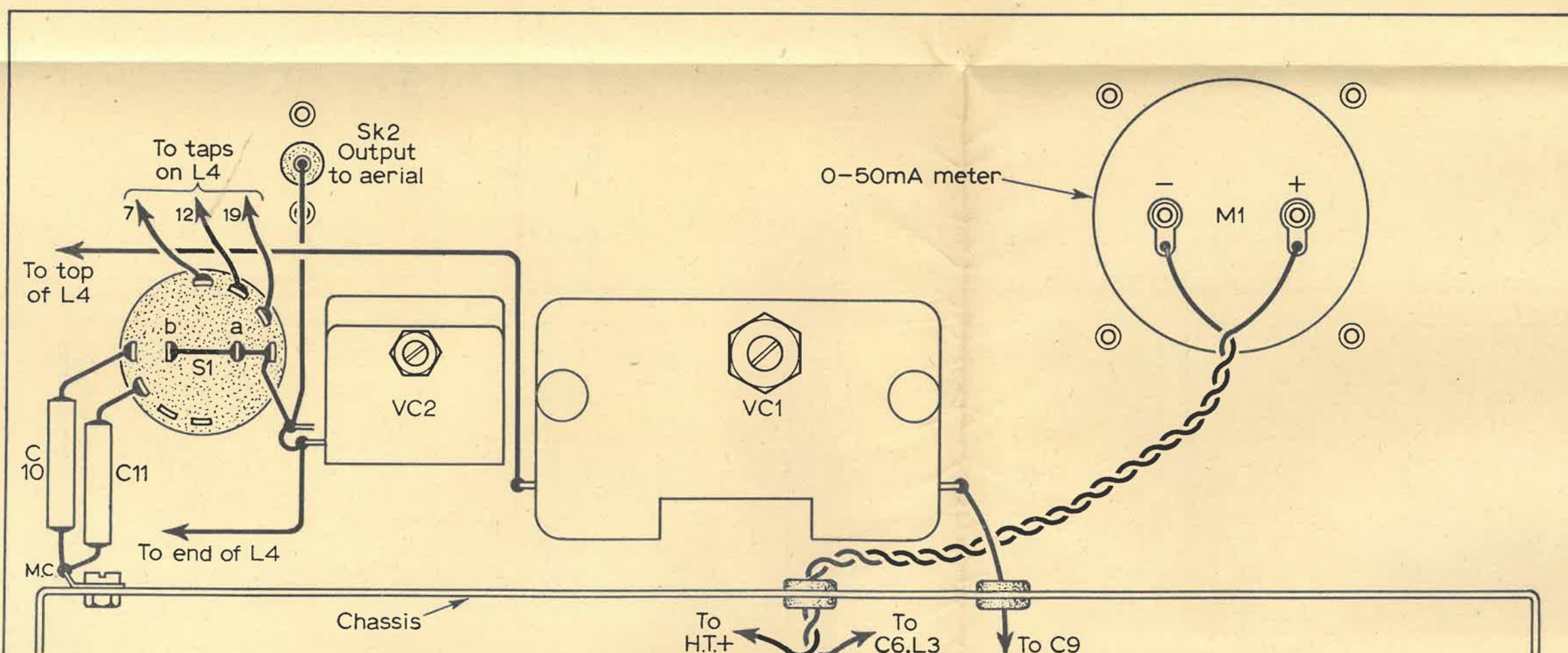


Fig.3 The rear of panel wiring

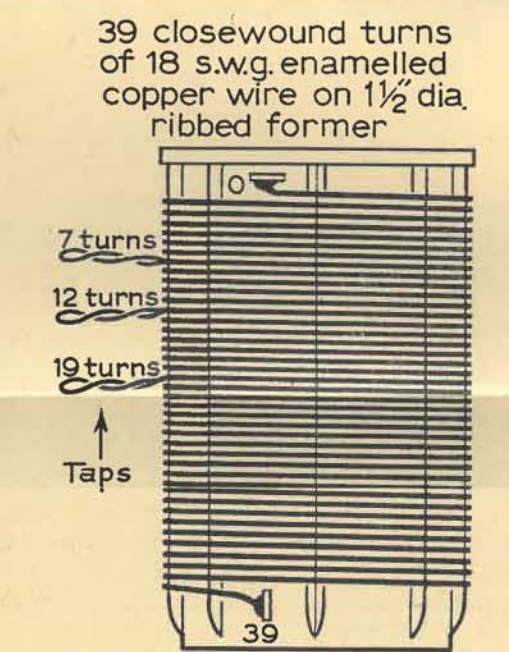


Fig.4 Details of P.A. coil

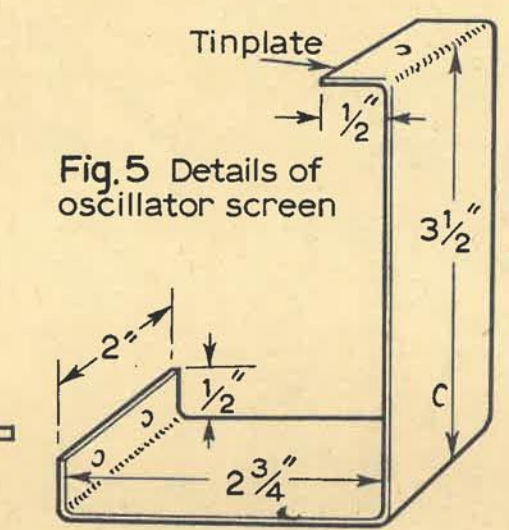


Fig.5 Details of oscillator screen

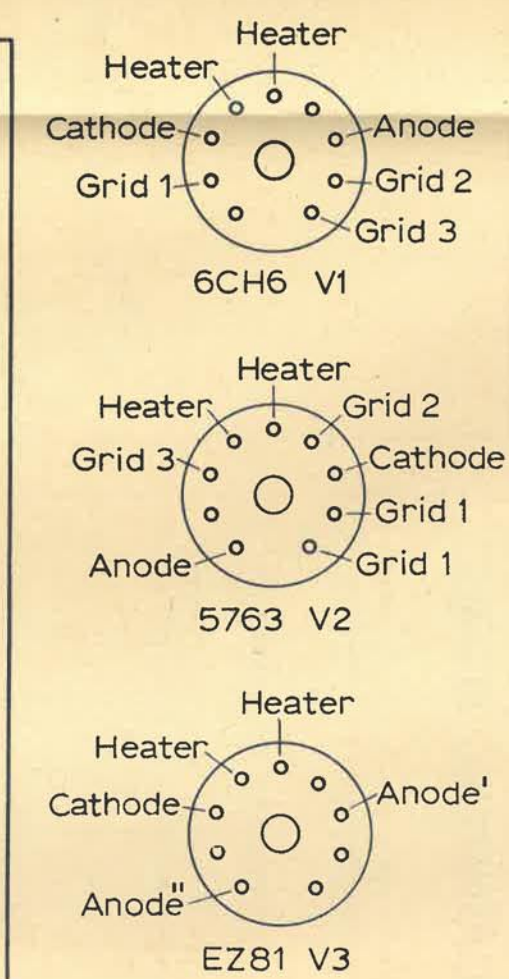


Fig.6 Valve base details