PRICE 7/6

Practical Wireless

EVEREST TUNER

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

BLUEPRINT 6

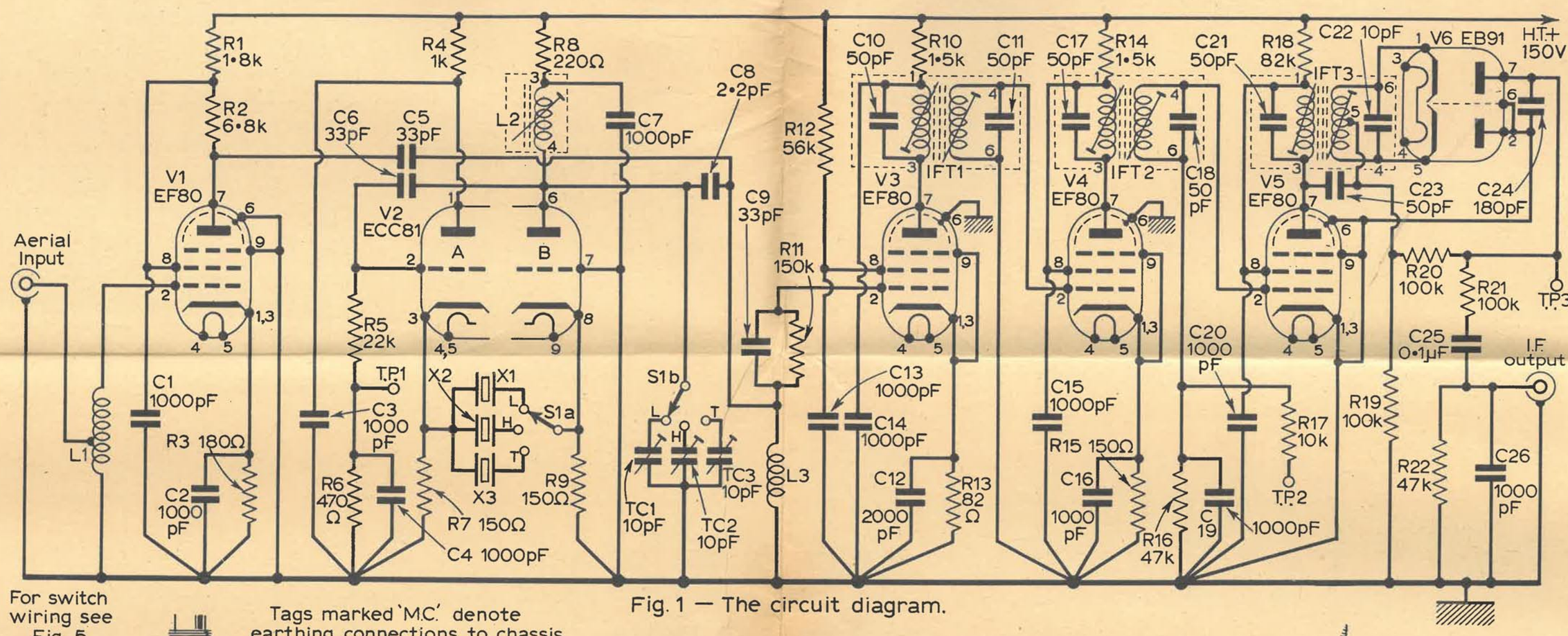

Fig. 1 — The circuit diagram.

For switch wiring see Fig. 5

Tags marked 'M.C.' denote earthing connections to chassis

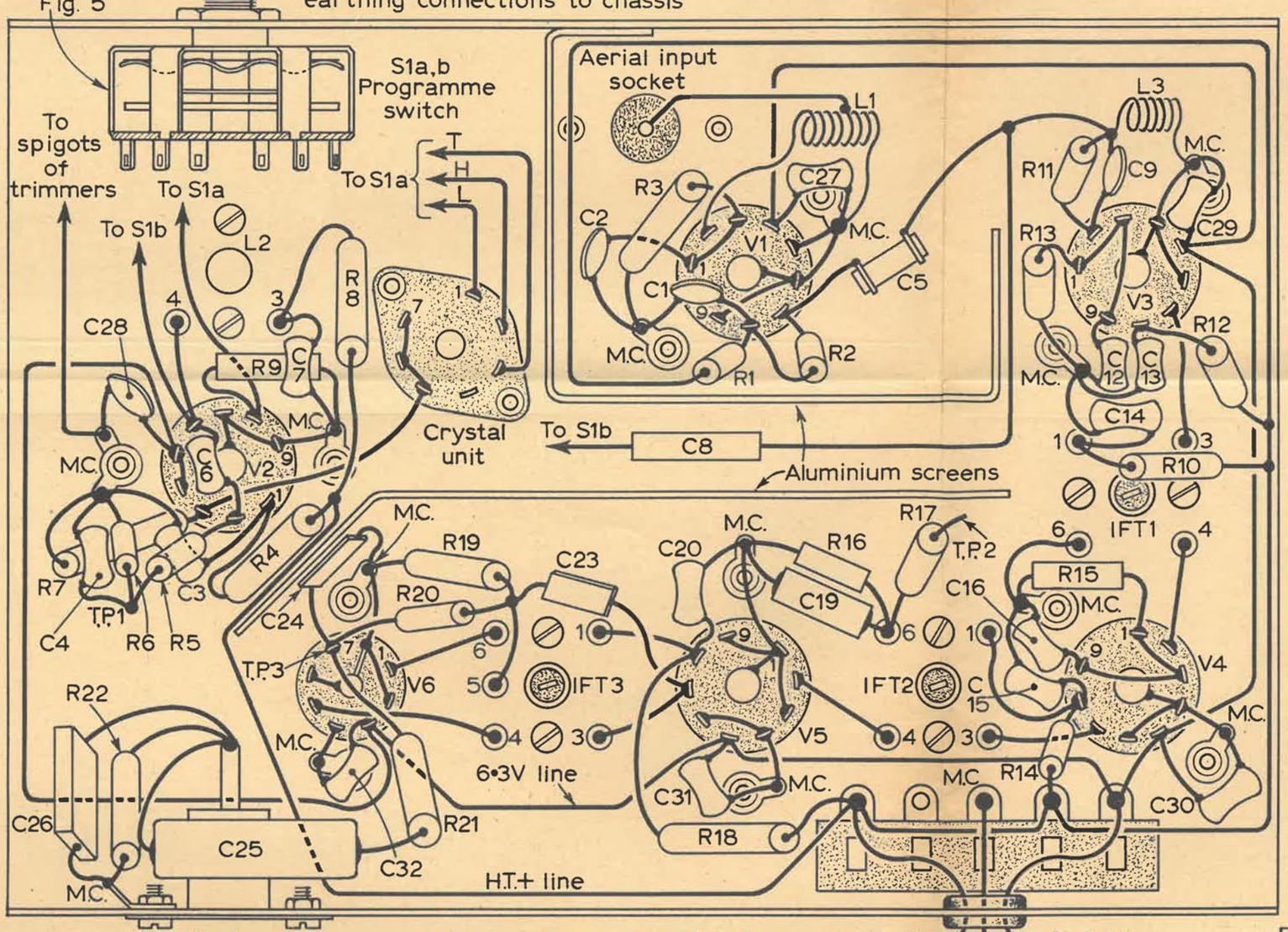

Fig. 2 — The underchassis wiring diagram.

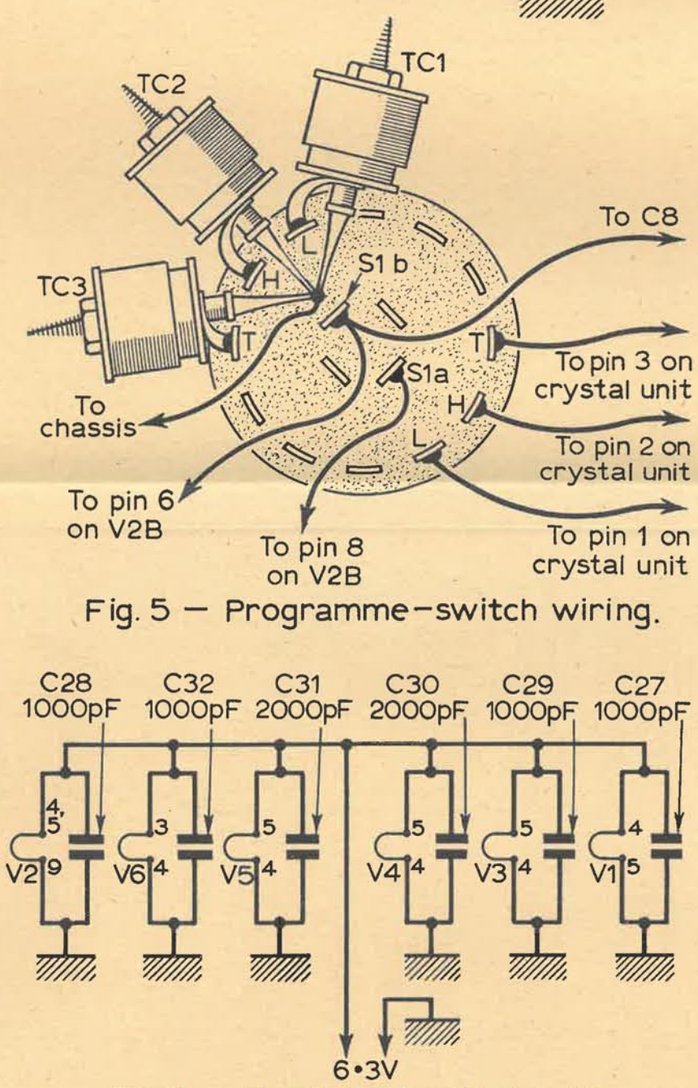

Fig. 5 — Programme-switch wiring.

Fig. 6 — Heater circuit details.

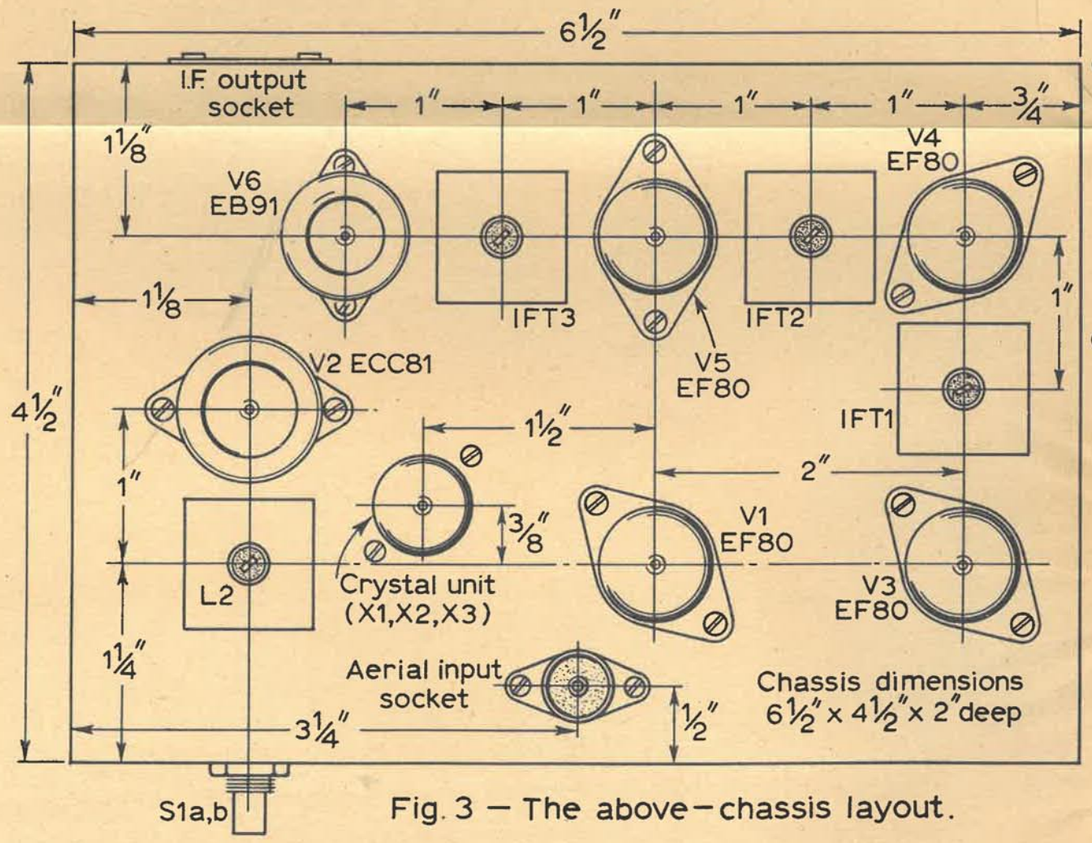

Fig. 3 — The above-chassis layout.

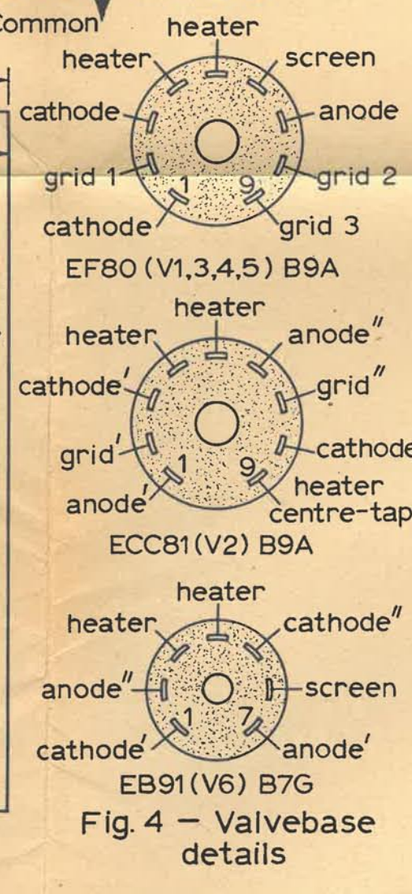

Fig. 4 — Valvebase details

COMPONENTS LIST

Resistors: (All ½W, 10% unless otherwise stated.)

R1	1·8k	R12	56k
R2	6·8k	R13	82Ω
R3	180Ω	R14	1·5k
R4	1k	R15	150Ω
R5	22k	R16	47k
R6	470Ω	R17	10k
R7	150Ω	R18	82k
R8	220Ω	R19	100k*
R9	150Ω	R20	100k*
R10	1·5k	R21	100k†
R11	150k	R22	47k

* Matched to 1% † see text

Capacitors:

C1	1000pF ceramic
C2	1000pF ceramic
C3	1000pF ceramic
C4	1000pF ceramic
C5	33pF ceramic
C6	33pF ceramic
C7	1000pF ceramic
C8	2·2pF ceramic
C9	33pF ceramic
C10	50pF 1% min. silver-mica
C11	50pF 1% min. silver-mica
C12	2000pF ceramic
C13	1000pF ceramic
C14	1000pF ceramic
C15	1000pF ceramic
C16	1000pF ceramic
C17	50pF 1% min. silver-mica
C18	50pF 1% min. silver-mica
C19	1000pF ceramic
C20	1000pF ceramic
C21	50pF 1% min. silver-mica
C22	10pF ± 1pF min. silver-mica
C23	50pF 1% min. silver-mica
C24	180pF 10% silver-mica
C25	0·1μF paper 250VW
C26	1000pF 10% silver-mica
C27	1000pF ceramic
C28	1000pF ceramic
C29	1000pF ceramic
C30	2000pF ceramic
C31	2000pF ceramic
C32	1000pF ceramic

TC1, TC2, TC3 10pF bee-hive trimmers

Coils:
L1, L2 see text

I.F. Transformers:
For winding details, see text

Valves (Mullard):
V1 EF80, V2 ECC81, V3 EF80, V4 EF80, V5 EF80, V6 EB91

Crystal Unit (Brimar):
See text

Coil Formers etc. (Aladdin):
Four 2½in. formers, cans, eyeletted paxolin wafers and eight dust cores

Chassis (aluminium):
About 6½in. x 4½in. x 2in. (see text)

Programme Switch:
4-pole, 3-way

Miscellaneous:
Five B9A valveholders (all with skirts; one with can, for ECC81); two B7G valveholders (one with skirt and can); aluminium sheet for underchassis screens (see text); connecting wire, sleeving and wire for coil winding (see text); tag-strip; two coaxial sockets; etc.