BLUEPRINT 1

Practical Wireless

International Short Wave Two

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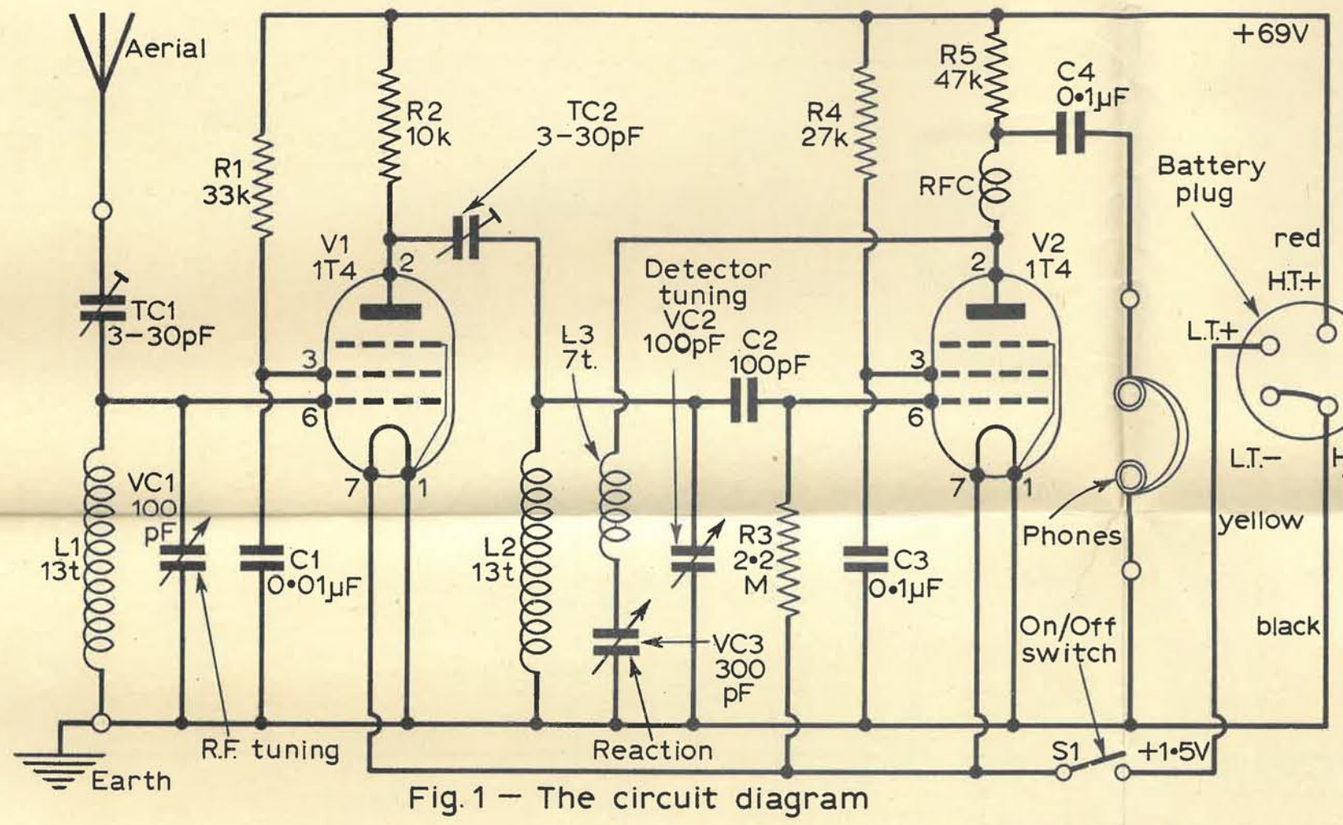
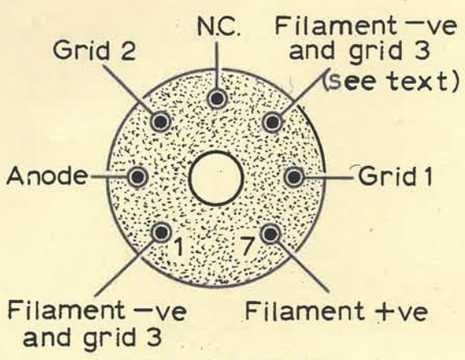


Fig. 1 — The circuit diagram



V1,V2—1T4 (B7G)

Fig. 5 — Valvebase details

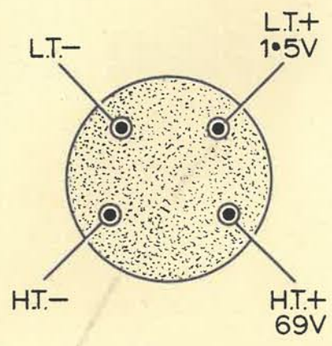


Fig. 6 — Battery plug details (looking on connections)

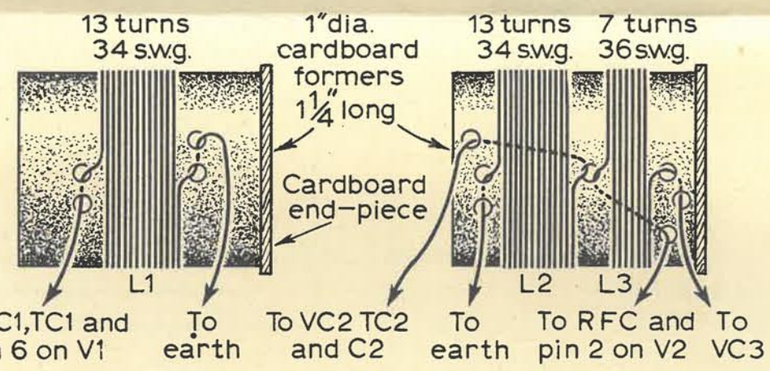


Fig. 7 — Coil winding details

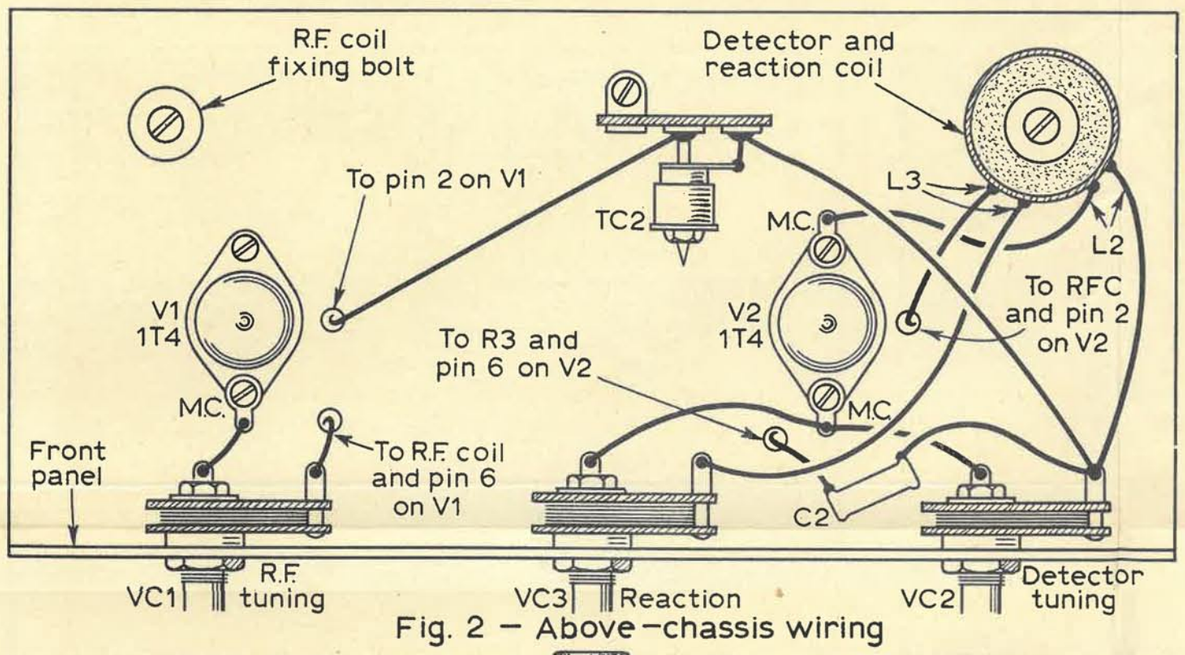


Fig. 2 — Above-chassis wiring

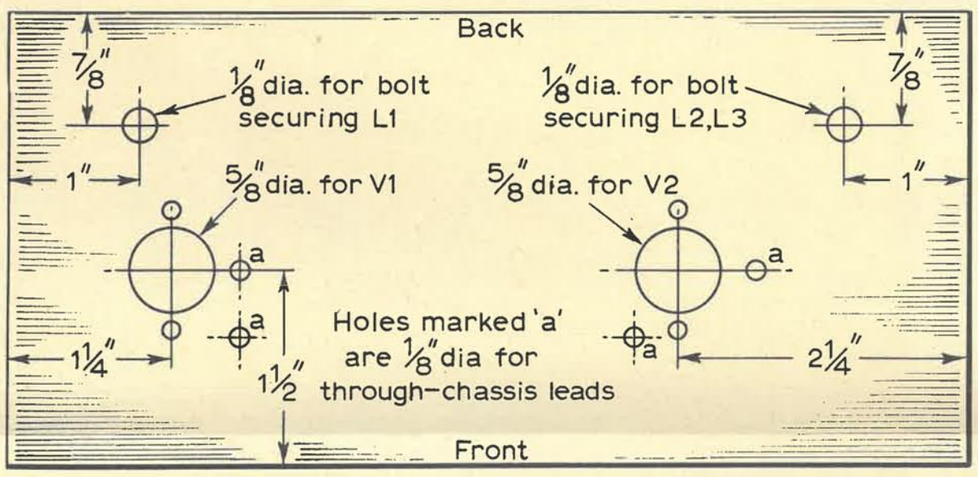


Fig. 8 — Above-chassis drilling details

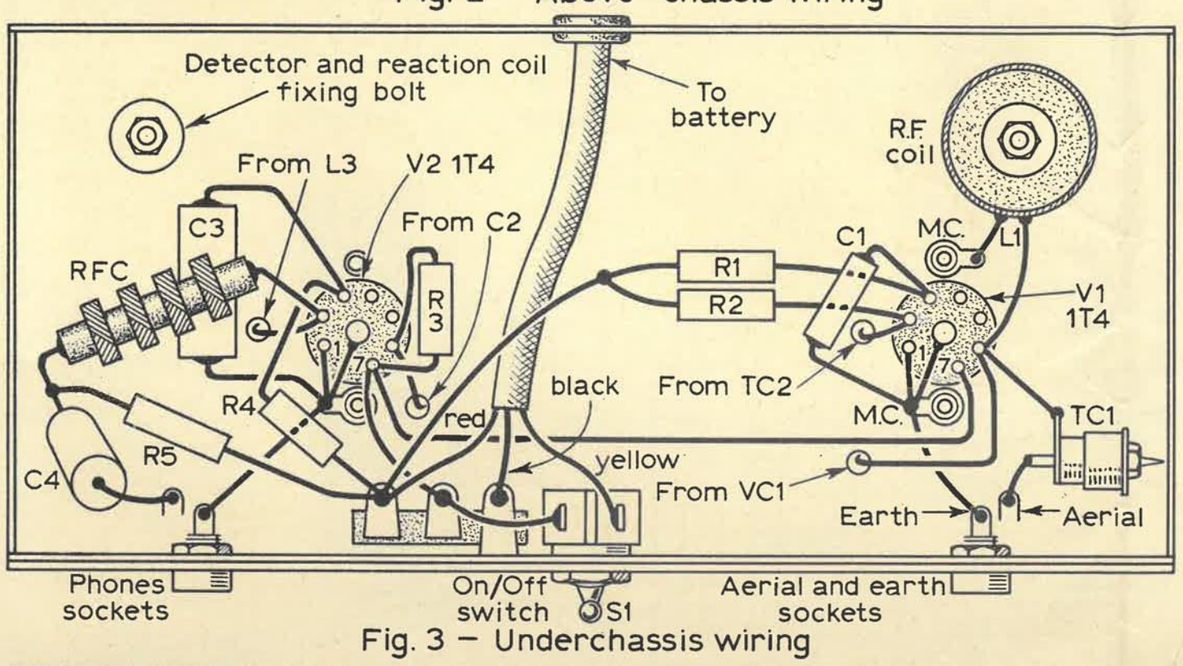


Fig. 3 — Underchassis wiring

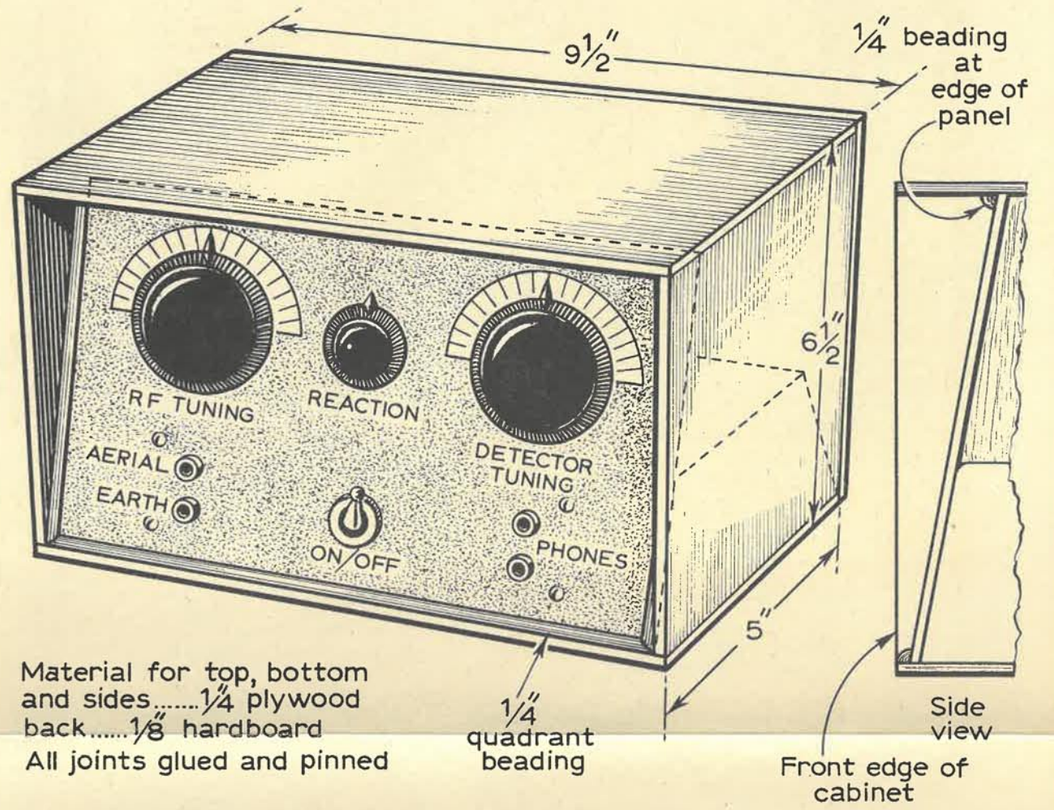


Fig. 9 — Cabinet details

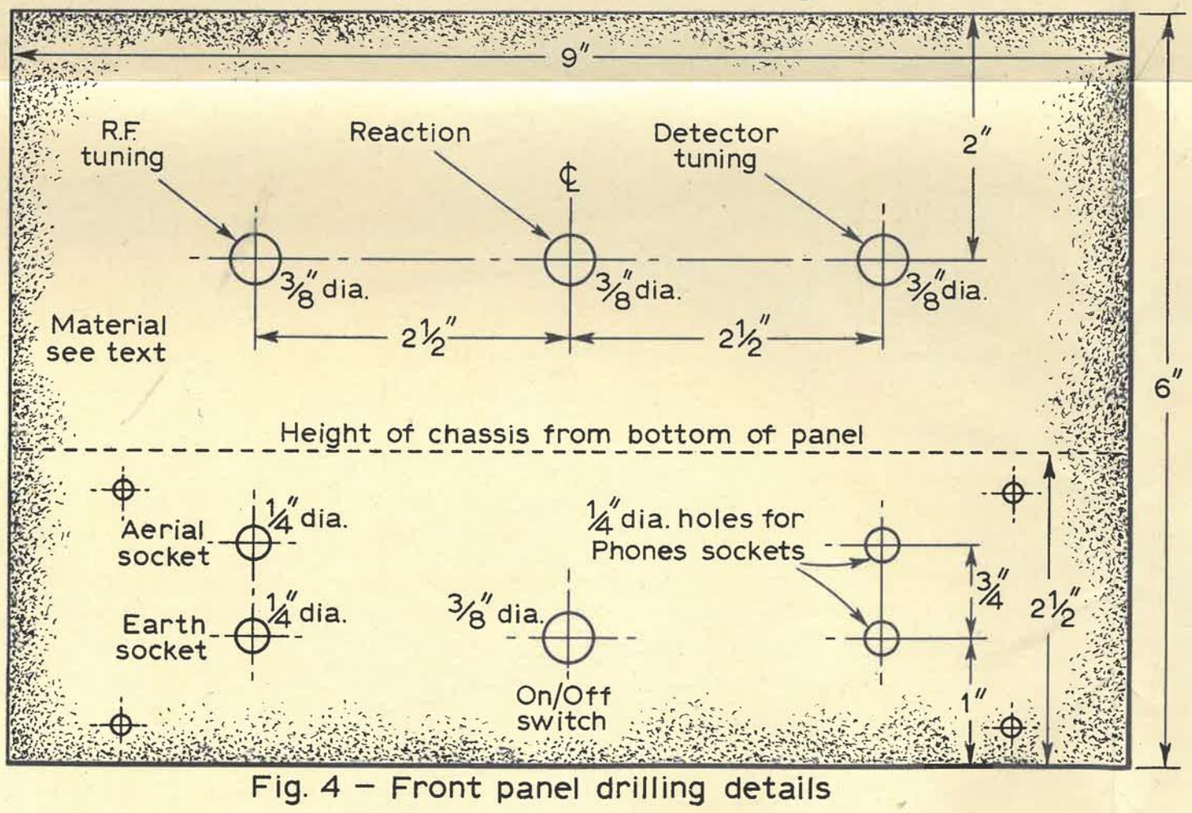


Fig. 4 — Front panel drilling details

COMPONENTS LIST

Resistors (All ½W, 20% or 10%):
R1 33k R3 2·2M R5 47k
R2 10k R4 27k

Condensers:
C1 0·01μF 150VW
C2 100pF ceramic
C3 0·1μF 150VW
C4 0·1μF 150VW
TC1 3–30pF beehive trimmer
TC2 3–30pF beehive trimmer
VC1 100pF variable—Jackson 'Dilecon'
VC2 100pF variable—Jackson 'Dilecon'
VC3 300pF variable—Jackson 'Dilecon'

Valves:
V1 1T4 or DF91 V2 1T4 or DF91

Battery:
69V+1·5V—Vidor L.5504

Headphones: High resistance type

R.F. Choke: Denco type RFC5

Chassis:
Baking tin or aluminium about 9in. x 6in. x 2¾in.

Panel: About 9in. x 6in. (see text)

Switch:
SPST toggle type (on/off)—Bulgin S299 or similar.

Miscellaneous:
Two B7G valveholders; Multicore solder; connecting wire; wanderplugs and sockets (Radiospares) for aerial; earth and headphones—two red and two black; 4-pin plug for battery; ¼in. rubber grommet; cardboard tube about 1in. in diameter for coil formers; about two yards each of 34s.w.g. and 36s.w.g. double cotton covered copper wire; balsa cement, etc.