

BLUEPRINT 4

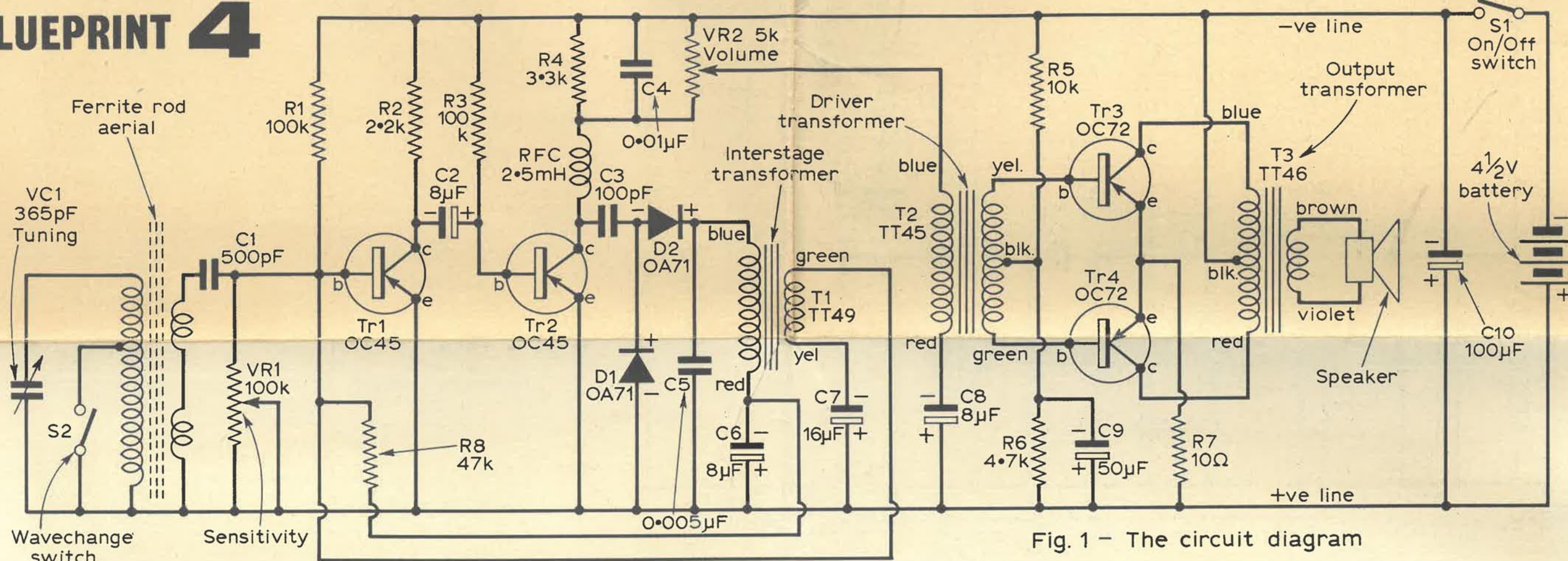


Fig. 1 - The circuit diagram

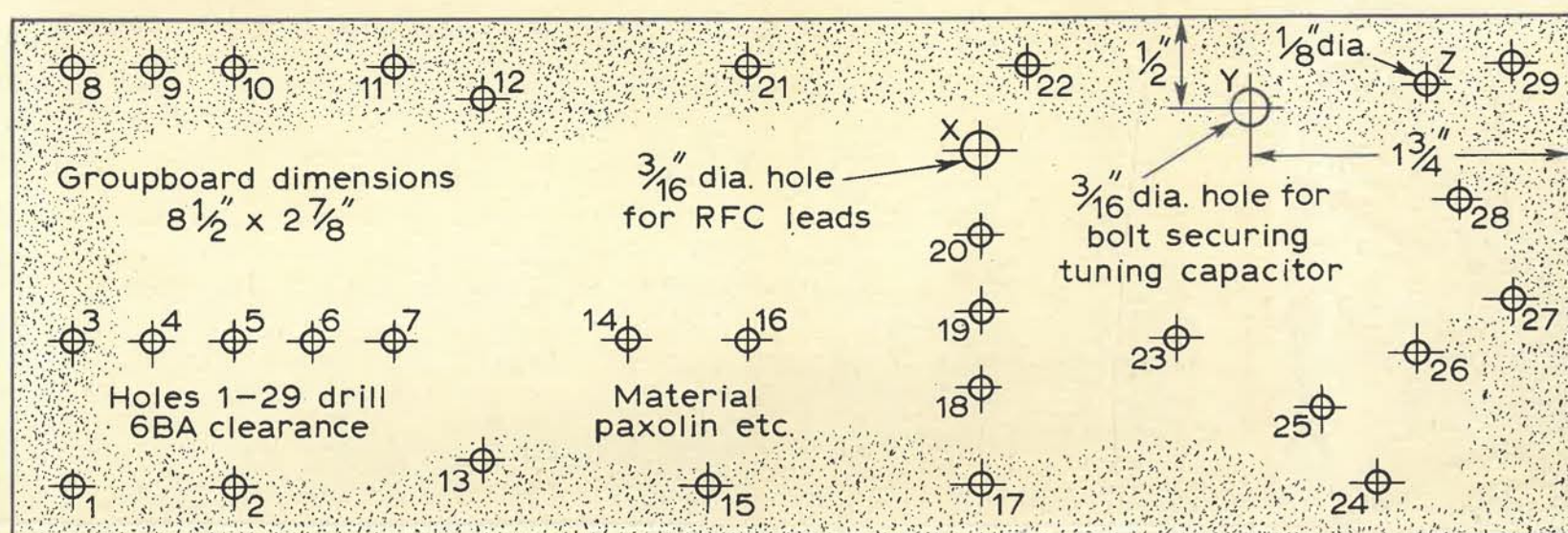


Fig. 2 - Groupboard drilling details

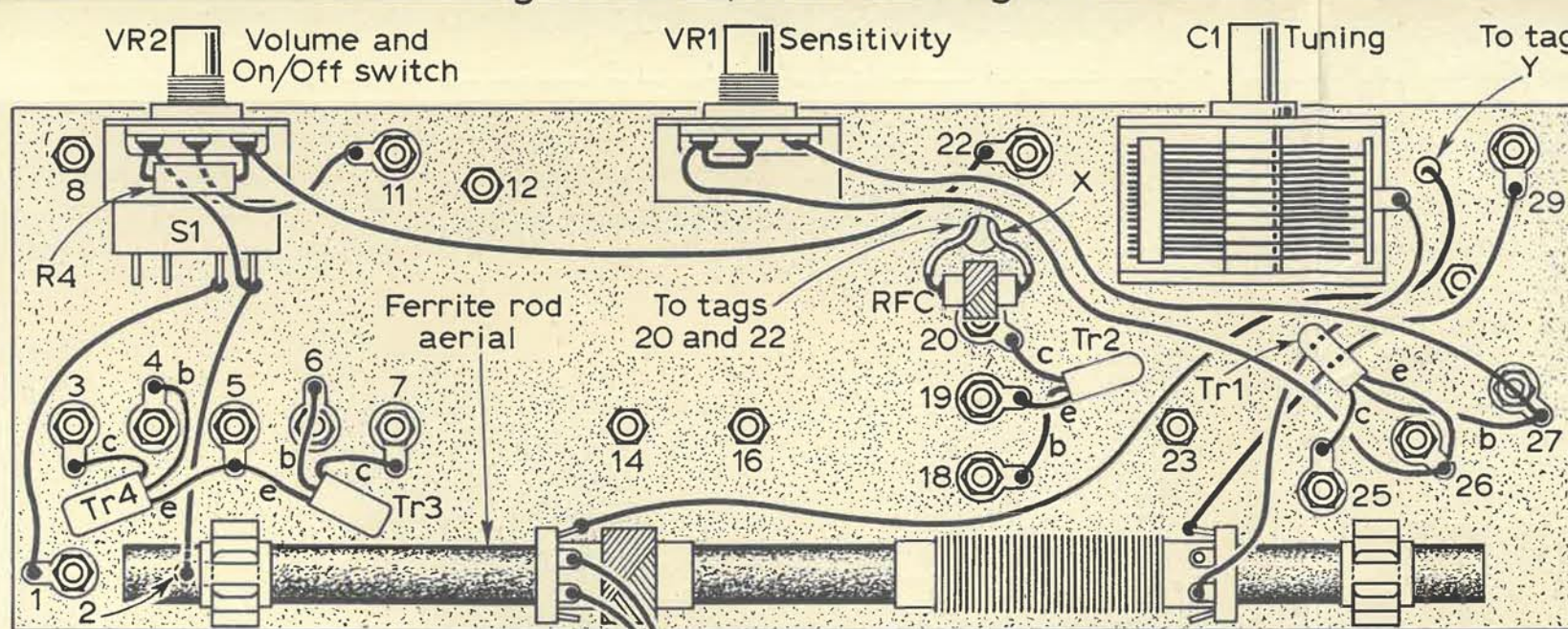


Fig. 3 - Wiring of major components

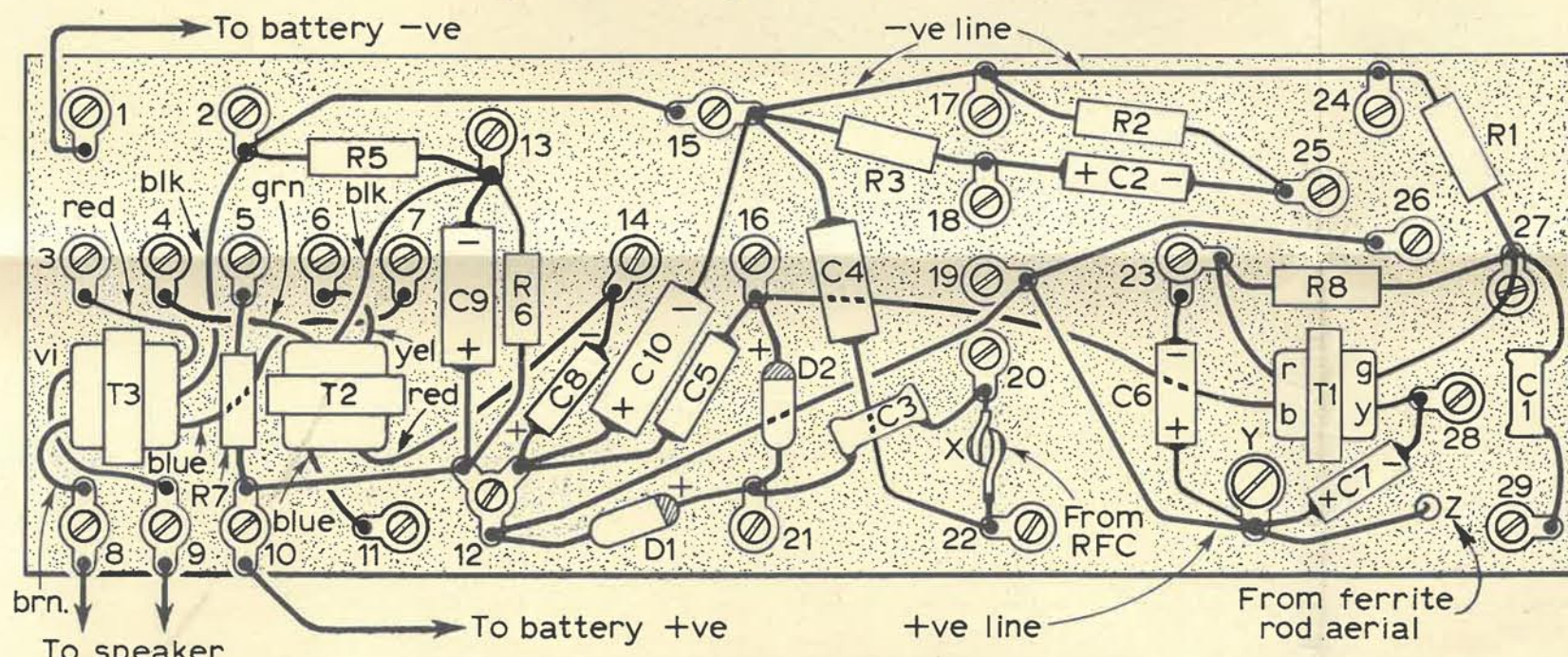


Fig. 4 - Groupboard underside wiring

Resistors:
(All 1/4W or 1/2W, 20% or 10%)
R1 100k
R2 2.2k
R3 100k
R4 3.3k
R5 10k
R6 4.7k
R7 10Ω
R8 47k
VR1 100k
VR2 5k (with single or double pole on/off switch)

Capacitors:
C1 500pF
C2 8μF 6VW or 12VW elec.
C3 100pF
C4 0.01μF
C5 0.005μF
C6 8μF 6VW or 12VW elec.
C7 16μF 6VW or 12VW elec.
C8 8μF 6VW or 12VW elec.
C9 50μF 6VW or 12VW elec.
C10 100μF 6VW or 12VW elec.
VC1 365pF—Jackson single gang type 05250

Transistors:
Tr1 OC45 (Mullard)
Tr2 OC45 (Mullard)
Tr3 OC72—matched pair—
Tr4 Mullard 2 x OC72
Transformers:
Coupling transformer (T1)—
Repanco TT49
Driver transformer (T2)—
Repanco TT45
Output transformer (T3)—
Repanco TT46

Ferrite Rod Aerial Assembly: Repanco FR2
Battery: Flat 4.5V type—Ever-Ready 1289
Wavechange Switch:
Slide type, e.g. Bulgin S.590 or S.591, or
single pole, one-way toggle switch (for
fitting on the side of the cabinet)
R.F. Choke:
High-Q—about 2.5mH—Repanco RFC1
Elliptical loudspeaker—7 x 4in.
Other Parts:
Wood for case (see text); screws; glue;
solder; wire, etc.

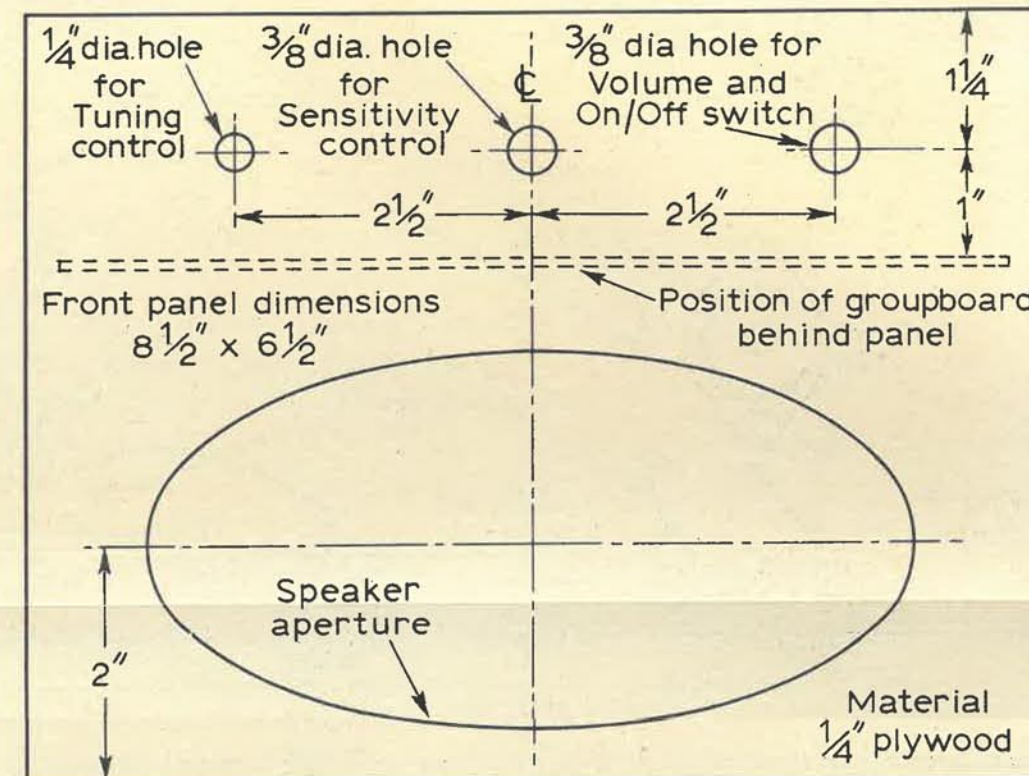


Fig. 5 - Front panel details

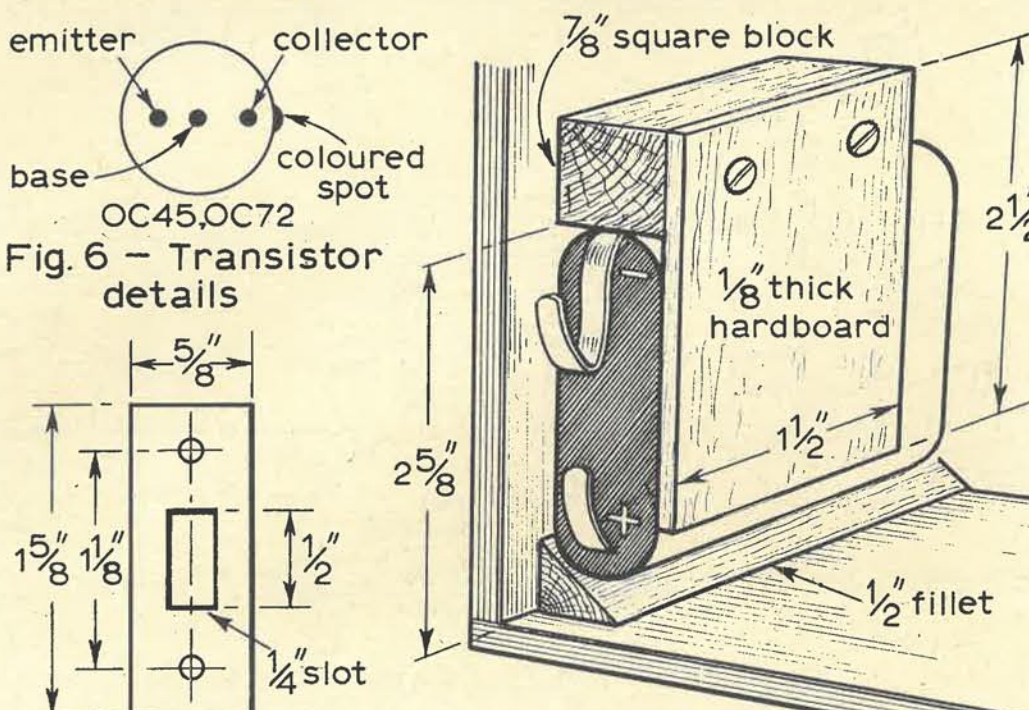


Fig. 6 - Transistor details

Fig. 7 - Switch-plate details

Fig. 8 - Battery housing

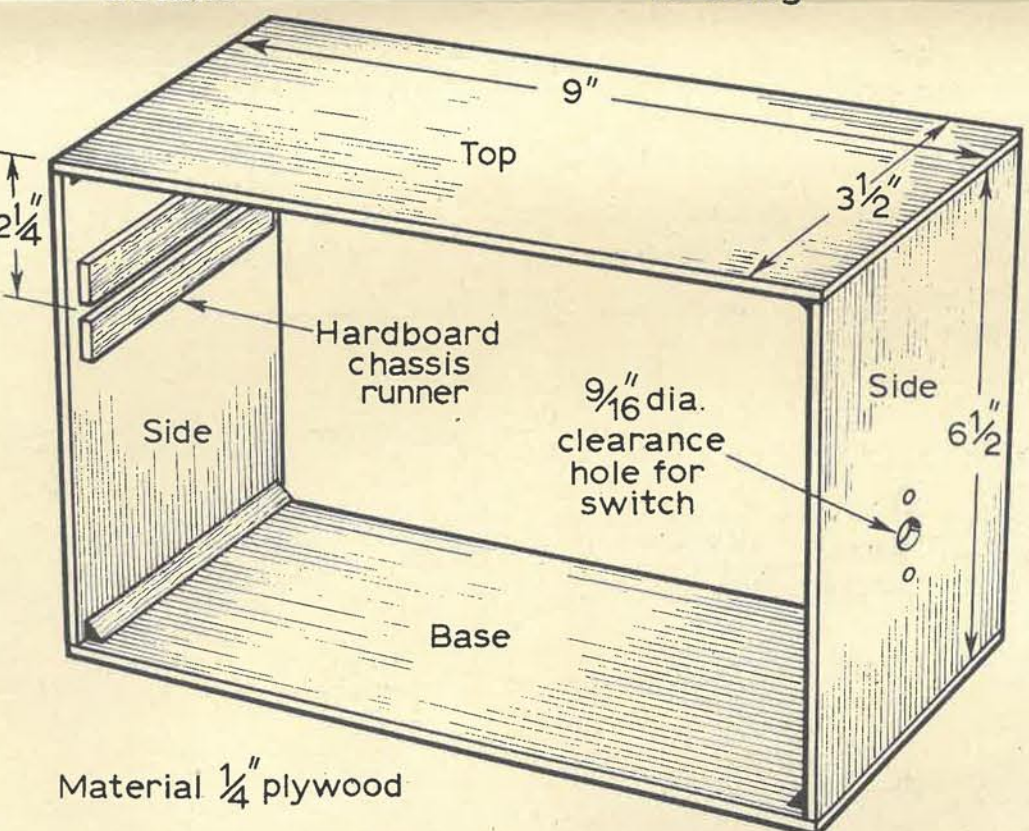


Fig. 9 - Cabinet details