

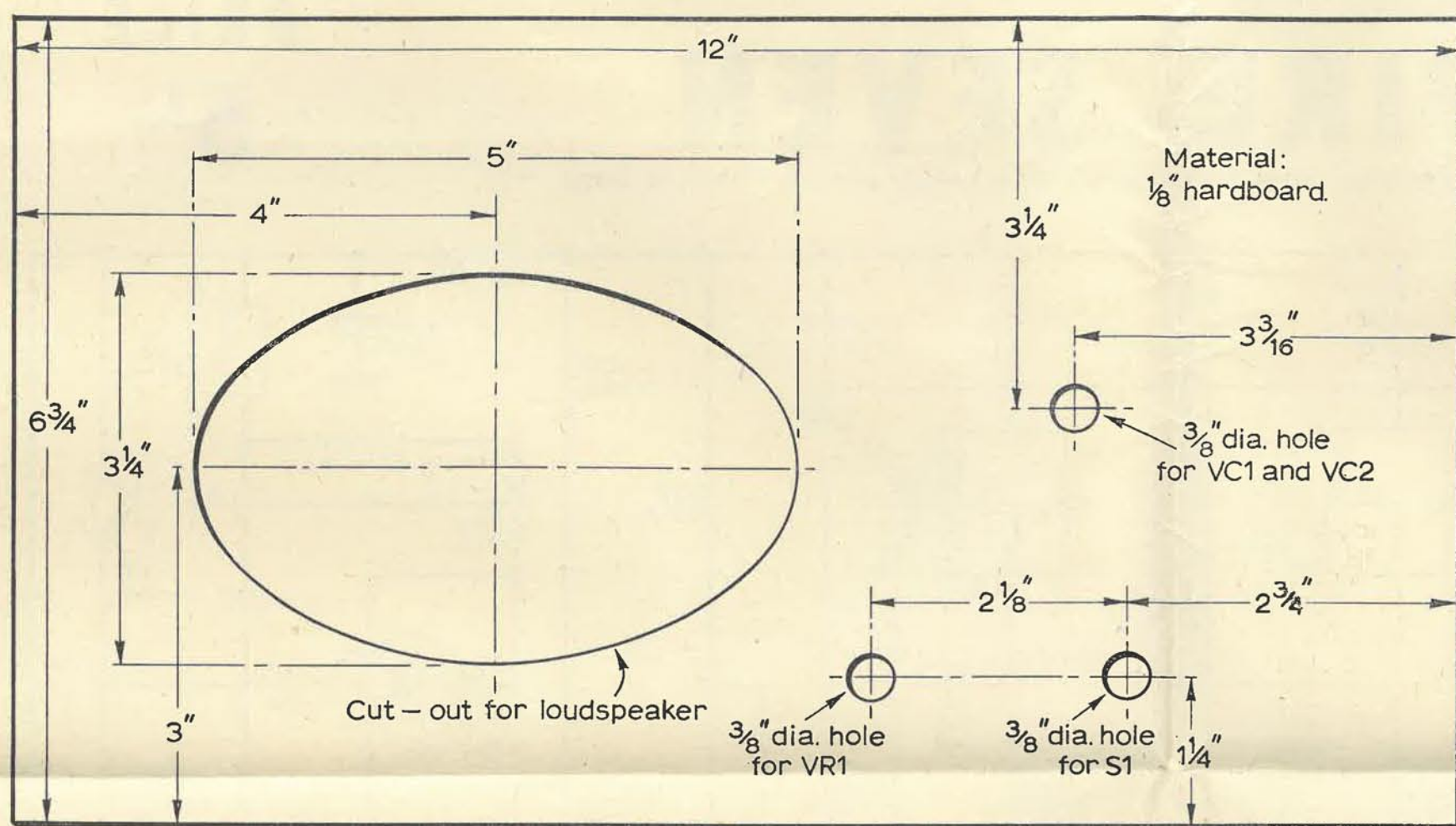


FIG. 4

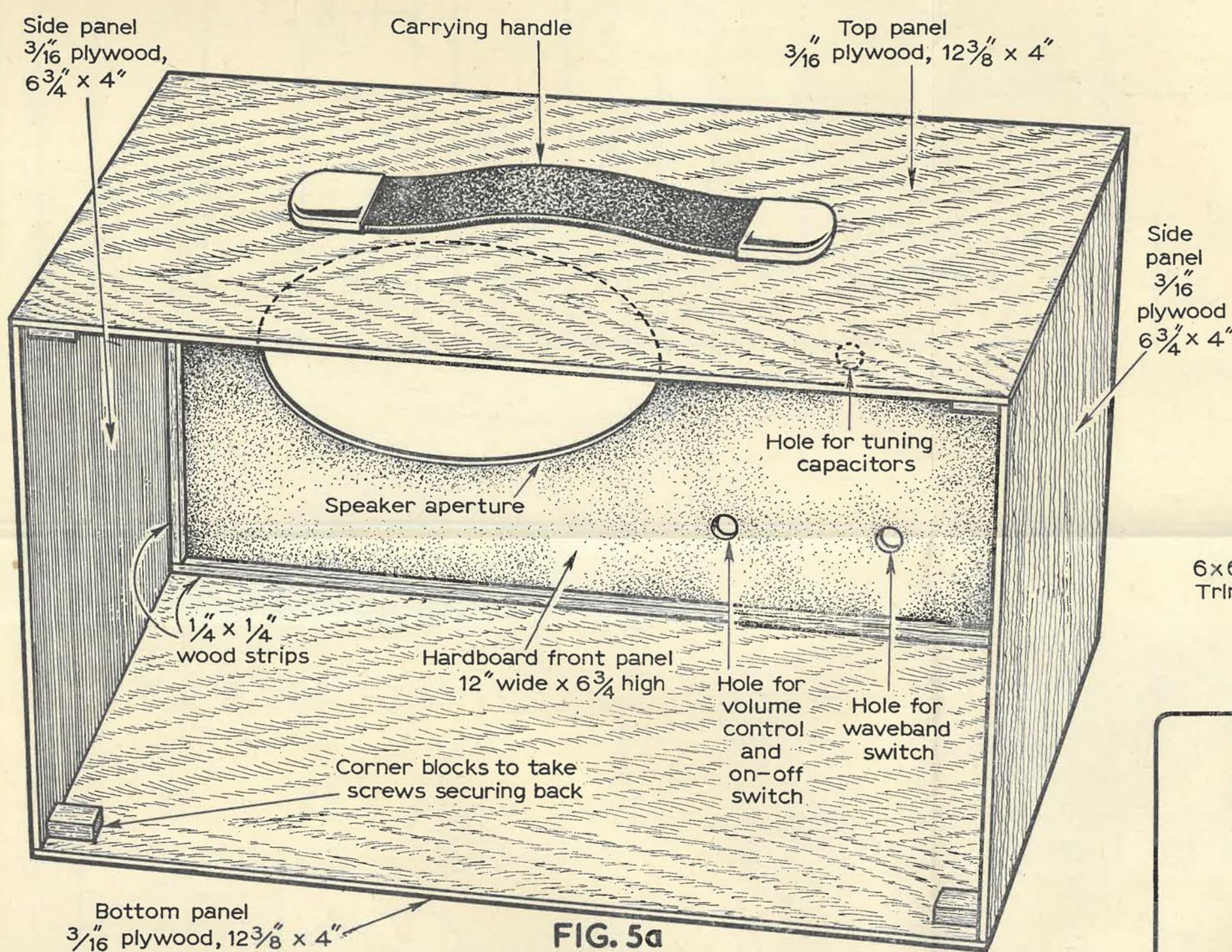


FIG. 5a

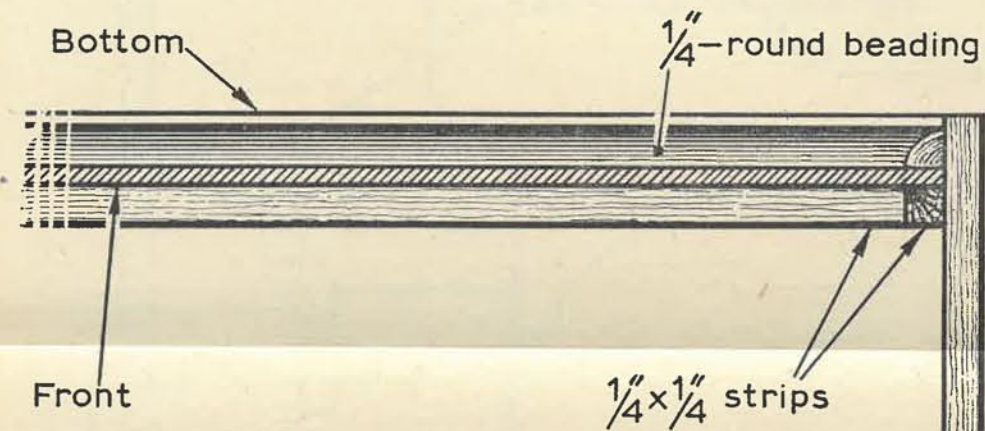


FIG. 5b

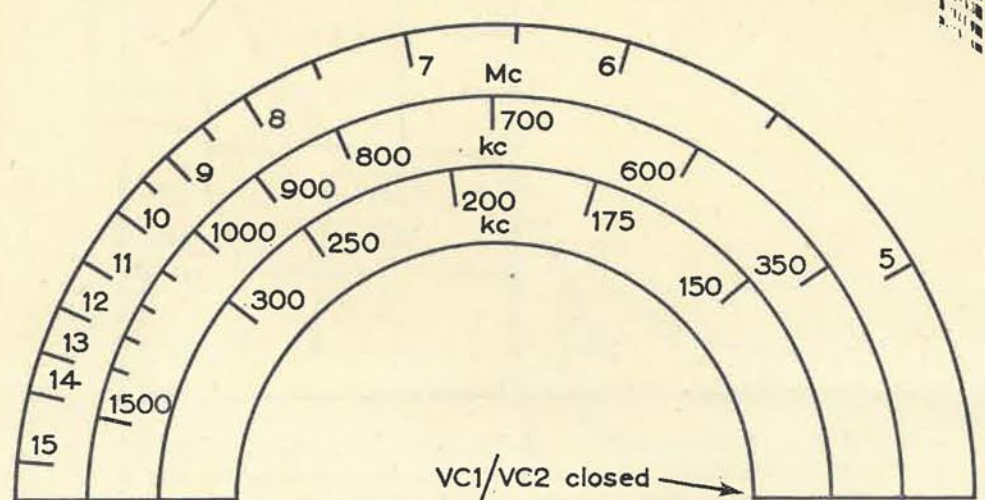


FIG. 6

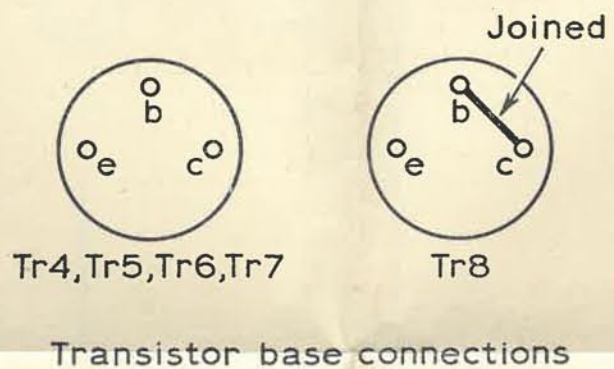


FIG. 1 THEORETICAL DIAGRAM
FIG. 2 ABOVE CHASSIS LAYOUT OF COMPONENTS
FIG. 3 UNDERSIDE CHASSIS WIRING
FIG. 4 FRONT PANEL DRILLING LAYOUT
FIG. 5a CABINET ASSEMBLY
FIG. 5b
FIG. 6 DIAL CALIBRATION
FIG. 7 (S) WAVECHANGE SWITCH WIRING

COMPONENTS LIST

Resistors:

R1 10kΩ	R14 1kΩ
R2 2.7kΩ	R15 2.2kΩ
R3 1kΩ	R16 56kΩ
R4 1.2kΩ	R17 10kΩ
R5 680Ω	R18 1kΩ
R6 68kΩ	R19 3.9kΩ
R7 2.2kΩ	R20 2.2kΩ
R8 680Ω	R21 120Ω
R9 1.2kΩ	R22 4.7kΩ
R10 22kΩ	R23 680Ω
R11 4.7kΩ	R24 680Ω
R12 8.2kΩ	R25 4.7kΩ
R13 3.9kΩ	R26 270Ω

All 10% $\frac{1}{4}$ W miniature carbon

VR1 5kΩ log. potentiometer, with switch, S2

VR2 50Ω variable 'slider' resistor, w.w.
(Home Radio)

Capacitors:

C1 0.01μF miniature paper 150V
C2 0.01μF miniature paper 150V
C3 0.01μF miniature paper 150V
C4 8μF electrolytic 6V
C5 0.25μF miniature paper 150V
C6 56pF silver mica 2%
C7 0.1μF miniature paper 150V
C8 0.25μF miniature paper 150V
C9 2μF electrolytic 6V
C10 18pF silver mica 2%
C11 0.01μF miniature paper 150V
C12 2μF electrolytic 6V
C13 100μF electrolytic 12V
C14 50μF electrolytic 6V
C15 2μF electrolytic 6V
C16 100μF electrolytic 6V
C17 50μF electrolytic 6V
C18 250μF electrolytic 15V
C19 100μF electrolytic 12V
CP Coil-set padder: 110pF for l.w.; 350pF for m.w.; 3,000 pF for s.w.
VC1, VC2 365-365pF slow-motion twin-gang variable (Jackson 02)
TC1 60 pF trimmer
TC 2, 3, Bank of six 60pF compression trimmers (Denco)

Inductors:

IFT1, 2 470kc/s i.f. transformers (Denco IFT13)
IFT3 470kc/s i.f. transformer (Denco IFT14)
L1 Transistor aerial coils (Denco Blue coils ranges 1, 2 and 4)
L2 Transistor oscillator coils (Denco Red coils, ranges 1, 2 and 4)

Semiconductors:

Tr1 OC170	Tr2 OC45	Tr3 OC45
Tr4 NKT275	Tr6 NKT271	Newmarket matched set
Tr5 NKT278	Tr7 NKT773	
Tr8 NKT279. S1 thermal diode		
D1 OA79 or GD9		
D2 OA70, OA81 or GD9		

Cabinet Materials:

$\frac{3}{16}$ in. 3-ply wood 12 $\frac{3}{8}$ in. x 4 in.	2 off
$\frac{3}{16}$ in. 3-ply wood 6 $\frac{3}{4}$ in. x 4 in.	2 off
$\frac{1}{2}$ in. x 6 $\frac{3}{4}$ in. hardboard panels	2 off
12 in. length $\frac{1}{4}$ -round beading	2 off
7 in. length $\frac{1}{4}$ -round beading	2 off
4 ft. length $\frac{1}{4}$ in. x $\frac{1}{2}$ in. stripwood	

Miscellaneous:

S1 3-way, 6-pole, 2-wafer rotary switch
S2 On/off switch on VR1
15Ω 4 in. x 7 in. loudspeaker. Telescopic aerial.
6 $\frac{1}{2}$ in. x 10 $\frac{1}{2}$ in. piece of paxolin. Battery plug.
Aerial socket. Flex, knobs, etc.

