PRESENTED FREE
WITH
"PRACTICAL WIRELESS"
NOVEMBER 1961

Practical Wireless 'MINI-AMP' PRICE 5/-

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

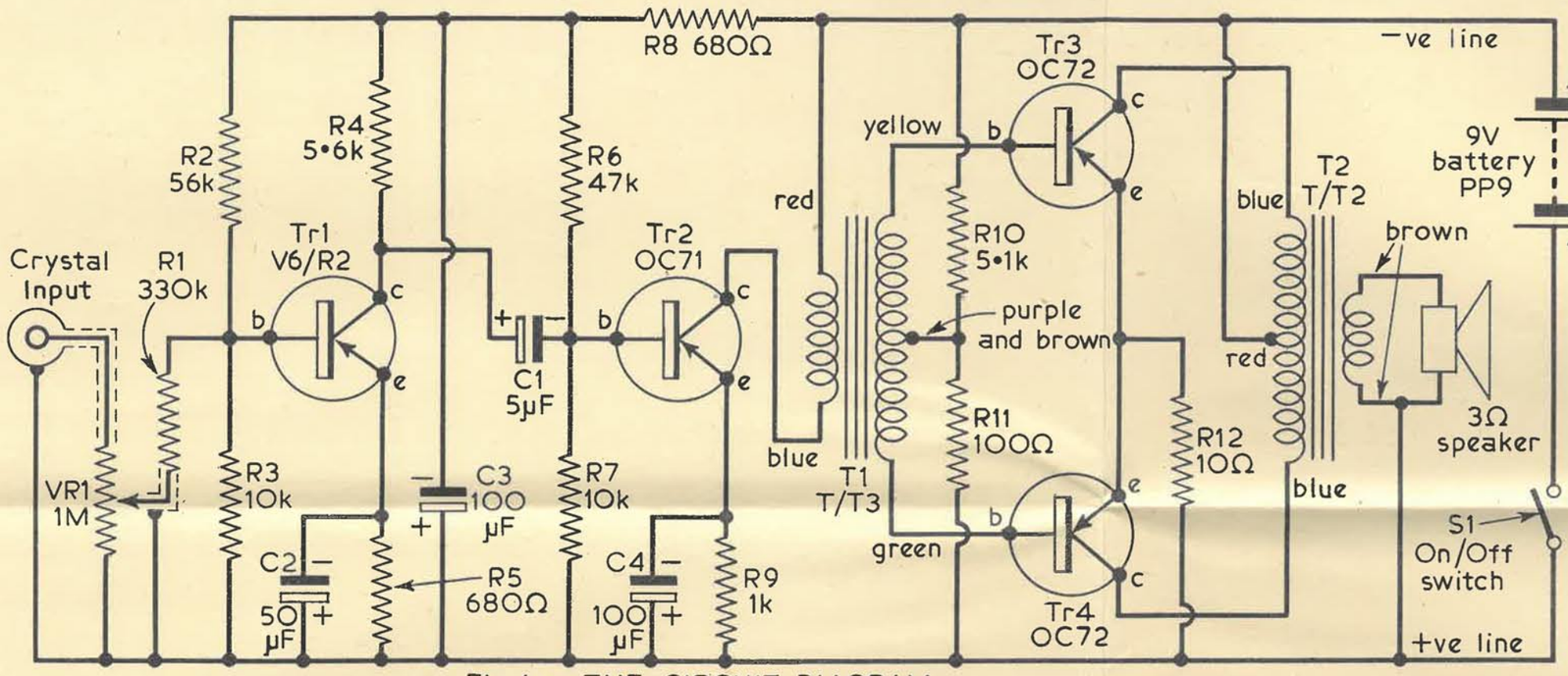
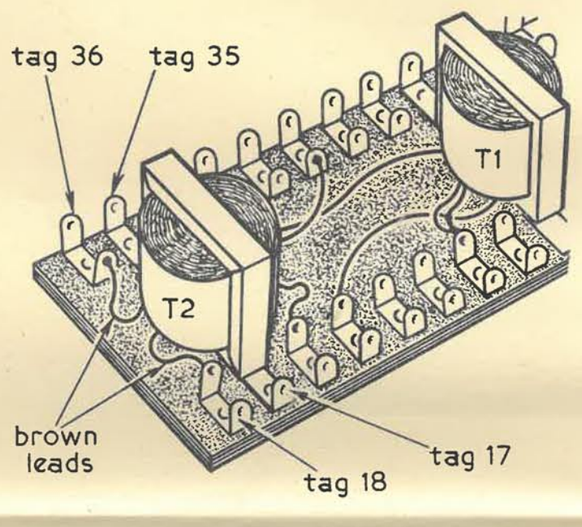


Fig. 1 — THE CIRCUIT DIAGRAM



Inner strip of tags 10, 28, 17 and 35 bent down to take transformer lugs

Fig. 3 — MOUNTING THE TRANSFORMERS

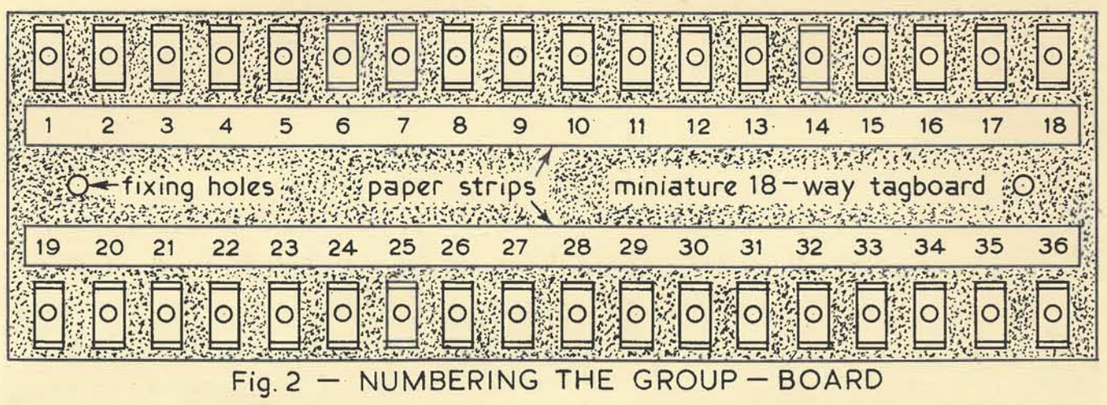


Fig. 2 — NUMBERING THE GROUP-BOARD

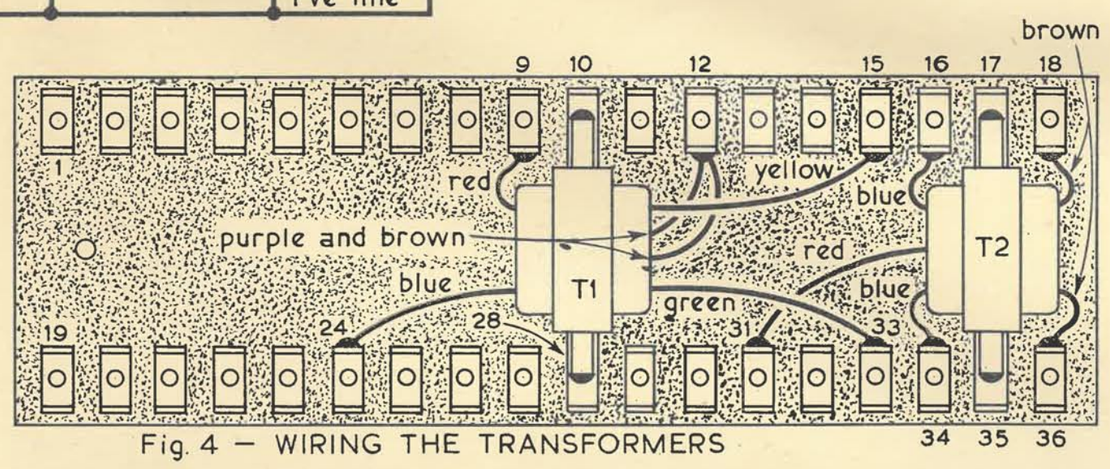


Fig. 4 — WIRING THE TRANSFORMERS

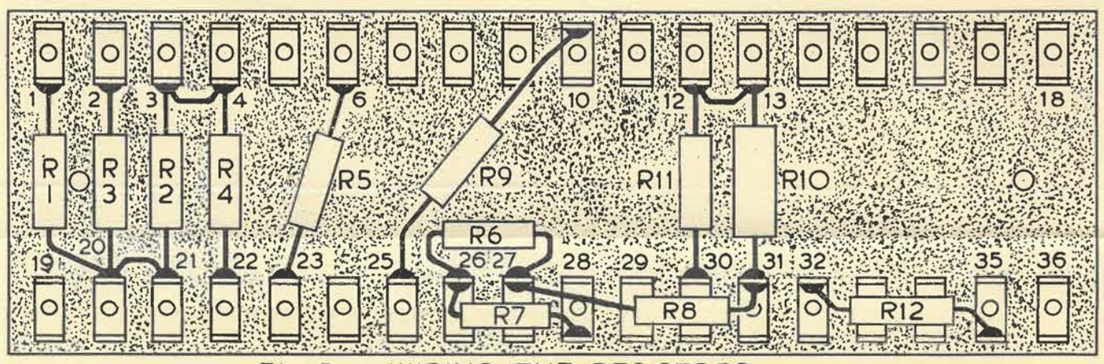


Fig. 5 — WIRING THE RESISTORS

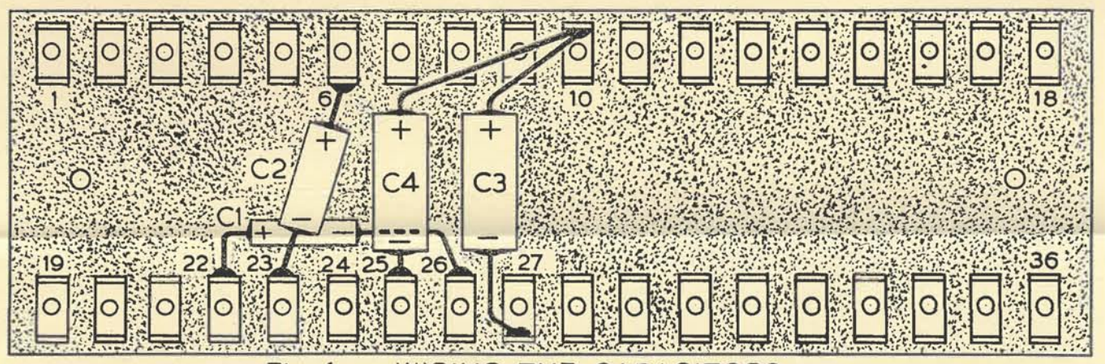


Fig. 6 — WIRING THE CAPACITORS

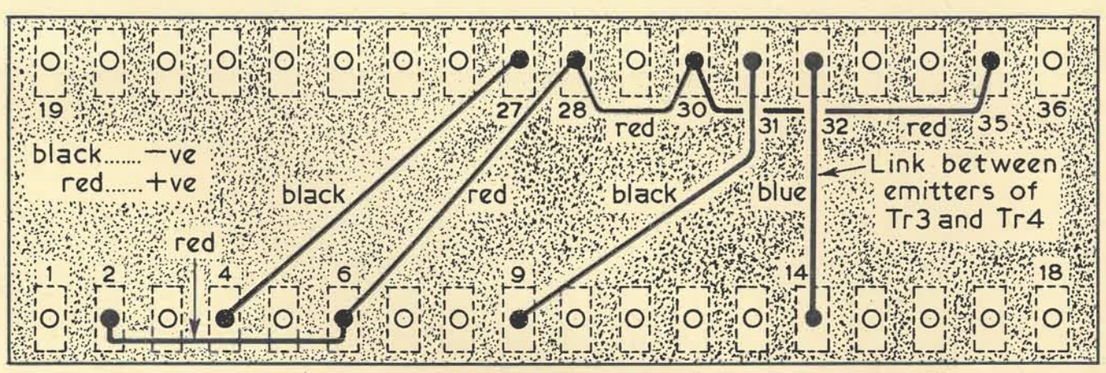


Fig. 7 — WIRING THE CONNECTING LINKS

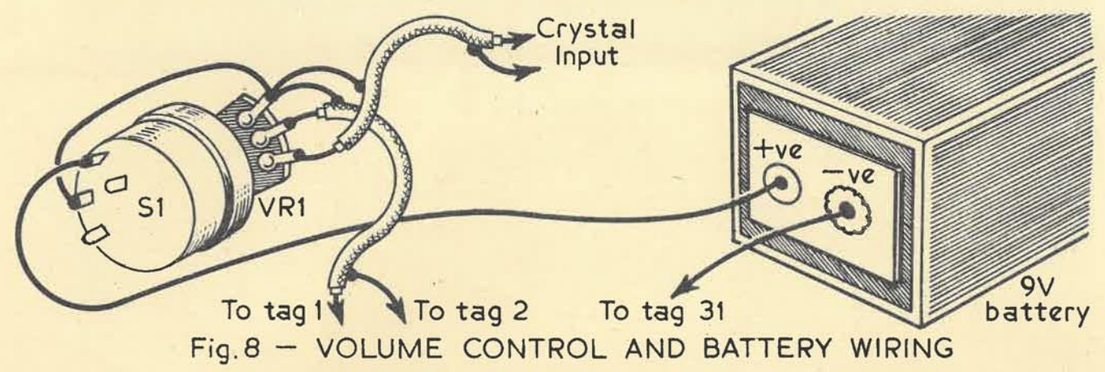


Fig. 8 — VOLUME CONTROL AND BATTERY WIRING

LIST OF PARTS

Resistors
All ½W and 10% tolerance except R10 and R11

R1	330k or 220k	(1 and 20)
R2	56k	(3 " 21)
R3	10k	(2 " 20)
R4	5·6k	(4 " 22)
R5	680Ω	(6 " 23)
R6	47k	(26 " 27)
R7	10k	(26 " 28)
R8	680Ω	(27 " 31)
R9	1k	(10 " 25)
R10	5·1k 1% or 5%	(13 " 31)
R11	100Ω 1% or 5%	(12 " 30)
R12	10Ω	(32 " 35)
VR1	1M Volume control with switch	

All numbers in brackets refer to tags to which components are soldered.

Capacitors

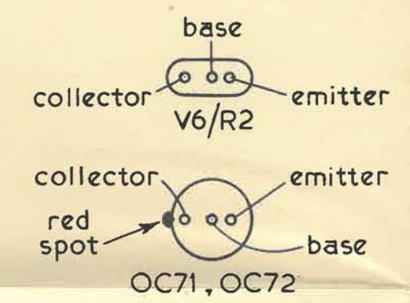
C1	5µF	15VW	(22 and 26)
C2	50µF	15VW	(6 " 23)
C3	100µF	15VW	(10 " 27)
C4	100µF	15VW	(10 " 25)

Transistors
Tr1 ..... V6/R2 (Newmarket)
Tr2 ..... OC71 (Mullard)
Tr3, Tr4 ..... Matched pair of OC72's (Mullard)

Transformers
T1 ..... Driver Transformer type T/T3 3·6 : 1 + 1 (Radiospares)
T2 ..... Output Transformer type T/T2 3·3 + 3·3 : 1 (Radiospares)

Loudspeaker ..... 3 in. to 10 in., permanent magnet type, 3Ω to 5Ω impedance.
Battery ..... PP9 with two clips to suit (Ever-Ready)

Miscellaneous
18-way tagboard (Radiospares)
Screened cable, connecting wire, solder etc.



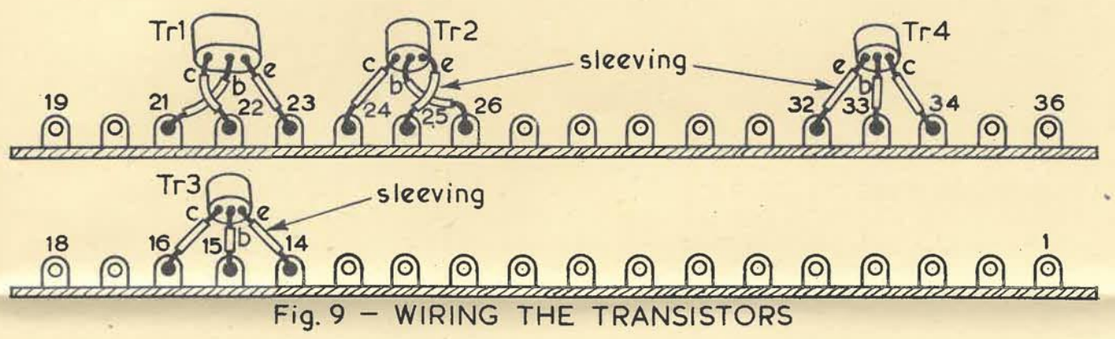


Fig. 9 — WIRING THE TRANSISTORS

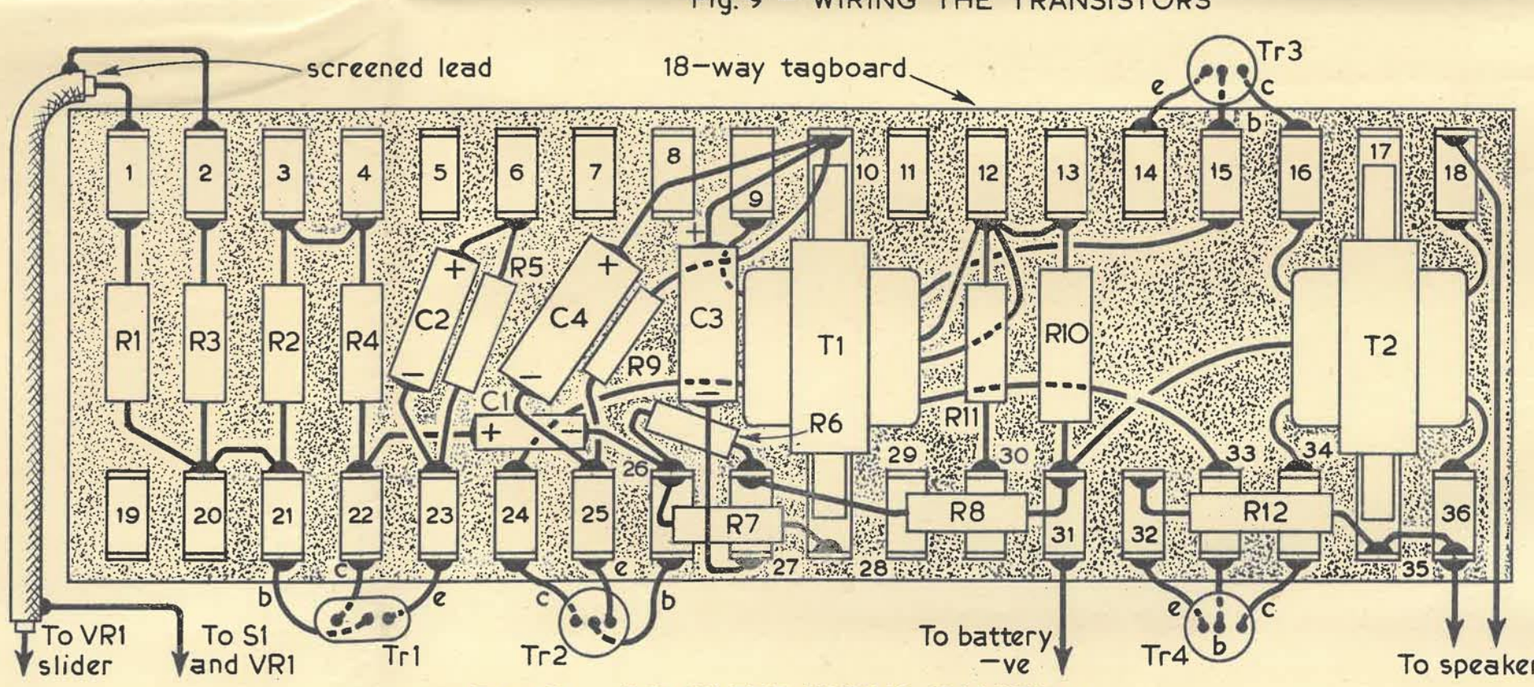


Fig. 10 — COMPLETE WIRING DIAGRAM