MODEL RME 69-B Batt.
MODEL RME 69-A AC
or Batt. Schematics

RADIO MFG. ENGINEERS, INC.

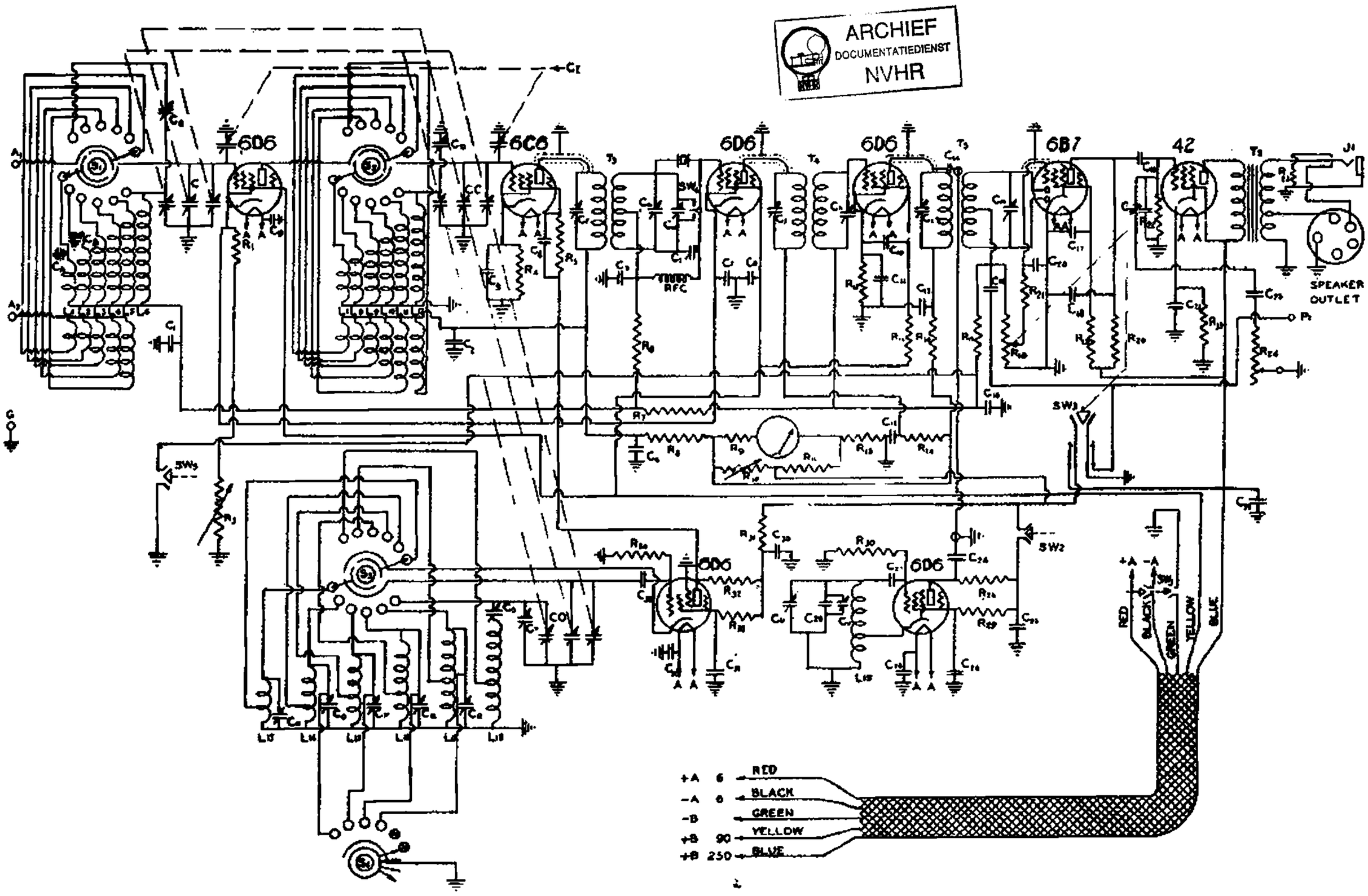

Fig. 16. Schematic Diagram of RME 69-B for Battery Operation

IF PEAK 465 KC

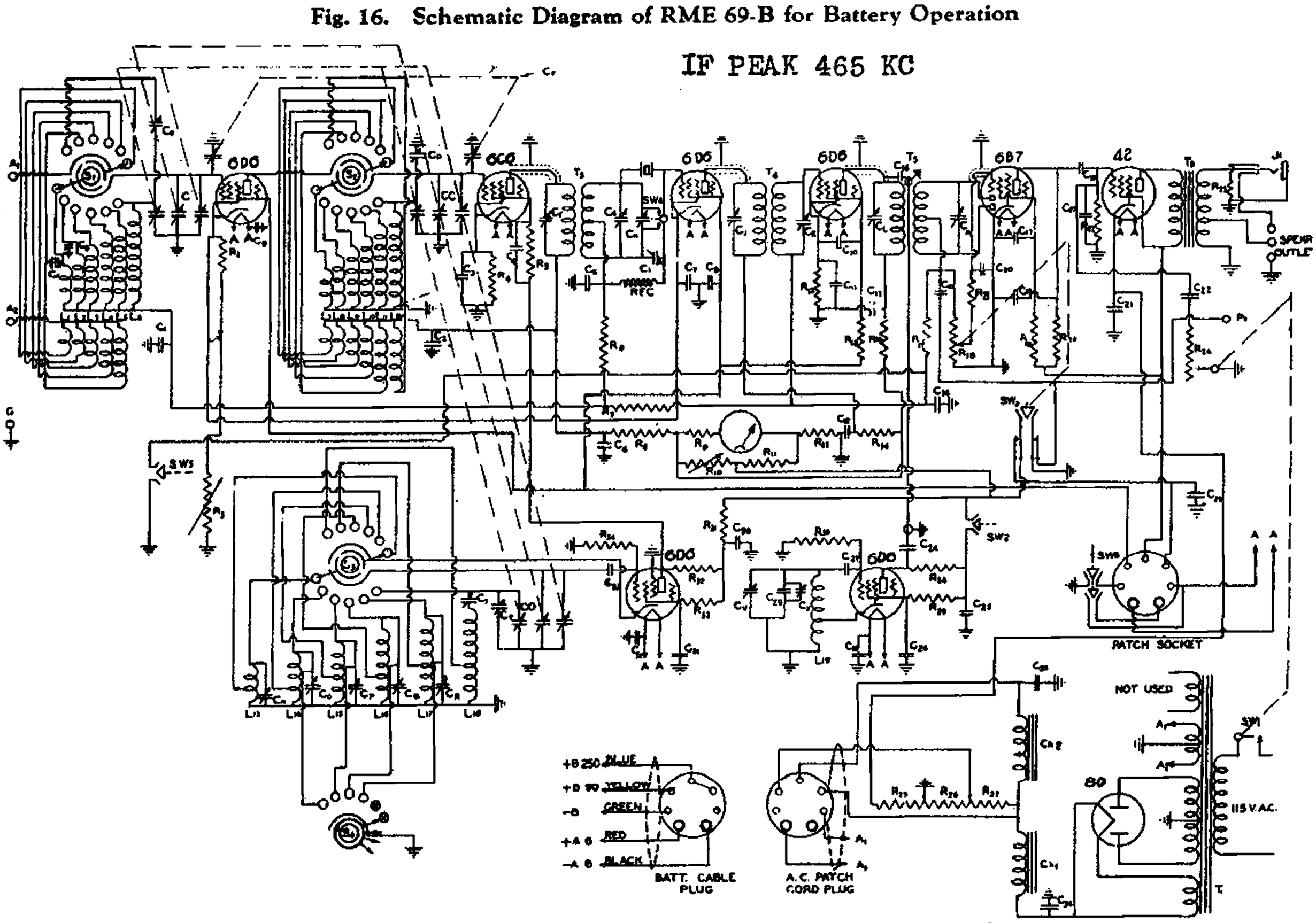

Fig. 17. Schematic Diagram of RME 69-A for AC or Battery Operation

DESIGNATION	SPECIFICATION
C_a and C_b	30 μμfd. adjustable mica padders.
C_c	30 μμfd. mica padder.
C_3	Mica trimming condenser on center section of main tuning condenser. 50 μμfd. max.
C_e	Dual section resonator control. 4 μμfd. minimum, 30 μμfd. maximum.
C_f,C_g,C_j,C_k, C_m, C_n.	Adjustable trimming condensers in the intermediate frequency transformers.
C_1	25 μμfd. midget air padder
C_5	30 μμfd. mica adjustable phasing condenser.
C_d,C_o,C_p,C_r	30 μμfd. adjustable padders.
C_s	70 μμfd. adjustable padder.
C_2	.0004 mica condenser shunted by 70 μμfd. mica adjustable trimmer.
C_t	Mica trimmer on the oscillator section of the main tuning condenser.
C_u	70 μμfd. adjustable mica padder.
C_v	25 μμfd. variable air condenser
C_1	.01 μfd. 400 volts.
C_2	.01 μfd. 400 volts.
C_3	.01 μfd. 400 volts.
C_4	.01 μfd. 400 volts.
C_5	.01 μfd. 400 volts.
C_6	.1 μfd. 400 volts.
C_7	.1 μfd. 400 volts.
C_8	.1 μfd. 400 volts.
C_9	.002 moulded mica condenser.
C_{10}	.01 μfd. 400 volts.
C_{11}	.1 μfd. 400 volts.
C_{12}	.1 μfd. 400 volts
C_{13}	.1 μfd. 400 volts.
C_{14}	1" of shielded braid wrapped around plate lead of second intermediate frequency amplifier tube. Approximate capacity 10 μμfds.
C_{15}	.00025 μμfd.
C_{16}	.01 μfd. 400 volts.
C_{17}	.1 μfd. 400 volts.
C_{19}	.01 μfd. 400 volts.
C_{20}	.00025 μfd. moulded mica condenser.
C_{21}	20 μfd. 25 volt electrolytic.
C_{22}	.01 μfd. 400 volts.
C_{23}	12 μfd. 450 volt electrolytic.
C_{24}	.0001 moulded mica condenser
C_{25}	.01 400 volt electrolytic
C_{26}	.01 μfd. 400 volt.
C_{27}	.0001 μfd. moulded mica.
C_{28}	.01 μfd. 400 volt.
C_{29}	.00025 moulded ± 5%
C_{30}	.1 μfd. 400 volts.
C_{31}	.01 μfd. 400 volts.
C_{32}	.01 μfd. 400 volts.
C_{33}	.0001 μfd. moulded ± 5%
C_{34}	8 μfd. 450 volt electrolytic
C_{35}	8 μfd. 450 volt electrolytic.
C_{37}	.00025 μfd. moulded condenser.

DESIGNATION	SPECIFICATION
S_1,S_2,S_3,S_4.	Band change switch.
SW_1	115 volt line switch.
SW_2	Beat oscillator on and off switch.
SW_3	Switch operated by control "H" for connecting monitor circuit and opening B supply to amplifier stages.
SW_4	Crystal switch for series or for parallel control.
SW_5	Cut-off switch for removing AVC action (operated in tandem with R_3)
R_{14}	2,000 ohms, 1/2 watt.
R_{15}	10,000 ohms, 1/2 watt.
R_{16}	2,000 ohms, 1/2 watt.
R_{17}	1 megohm, 1/2 watt.
R_{18}	250,000 ohm potentiometer audio level control.
R_{19}	1 megohm, 1/2 watt.
R_{20}	100,000 ohms, 1/2 watt.
R_{21}	50,000 ohm, 1/2 watt.
R_{22}	250,000 ohms, 1/2 watt.
R_{23}	5,000 ohms, 1/2 watt.
R_{24}	1,000,000 ohms potentiometer.
R_{25}	410 ohms bleeder section.
R_{26}	7200 ohms, bleeder section.
R_{27}	6800 ohms, bleeder section.
R_{28}	10,000 ohms, 1/2 watt.
R_{29}	100,000 ohms, 1/2 watt.
R_{30}	100,000 ohms, 1/2 watt.
R_{31}	2,000 ohms, 1/2 watt.
R_{32}	2,000 ohms, 1/2 watt.
R_{33}	50,000 ohms, 1/2 watt.
R_{34}	50,000 ohms, 1/2 watt.
J_1	Headphone jack.
RFC	16 millhenries.
CH_1	30 henries, 100 ma.
CH_2	30 henries, 50 ma.
T_1	Main power transformer.
T_2	Audio output transformer to 4,000 ohms and 600 ohms.
T_3	First intermediate frequency amplifier transformer.
T_4	Second intermediate frequency amplifier transformer.
T_5	Third intermediate frequency amplifier transformer.
R_1	150 ohms, 1/2 watt.
R_2	20,000 ohms, 1 watt.
R_3	30,000 ohms, variable.
R_4	5,000 ohms, 1/2 watt.
R_5	1 megohm, 1/2 watt.
R_6	250,000 ohms, 1/2 watt.
R_7	100,000 ohms, 1/2 watt.
R_8	2,000 ohms, 1/2 watt.
R_9	500 ohms, 1/2 watt ±5%
R_{10}	200 ohms, wire wound var. R meter balance
R_{11}	1,000 ohms, 1/2 watt.
R_{12}	500 ohms, 1/2 watt
R_{13}	100,000 ohms, 2 watts.

L_1	Band 6 RF grid coil.
L_2	Band 5 RF grid coil.
L_3	Band 4 RF grid coil.
L_4	Band 3 RF grid coil.
L_5	Band 2 RF grid coil.
L_6	Band 1 RF grid coil.
L_7	Band 6 first detector grid coil.
L_8	Band 5 first detector grid coil.
L_9	Band 4 first detector grid coil.
L_{10}	Band 3 first detector grid coil.
L_{11}	Band 2 first detector grid coil.
L_{12}	Band 1 first detector grid coil.
L_{13}	Band 6 oscillator coil.
L_{14}	Band 5 oscillator coil.
L_{15}	Band 4 oscillator coil.
L_{16}	Band 3 oscillator coil.
L_{17}	Band 2 oscillator coil.
L_{18}	Band 1 oscillator coil.

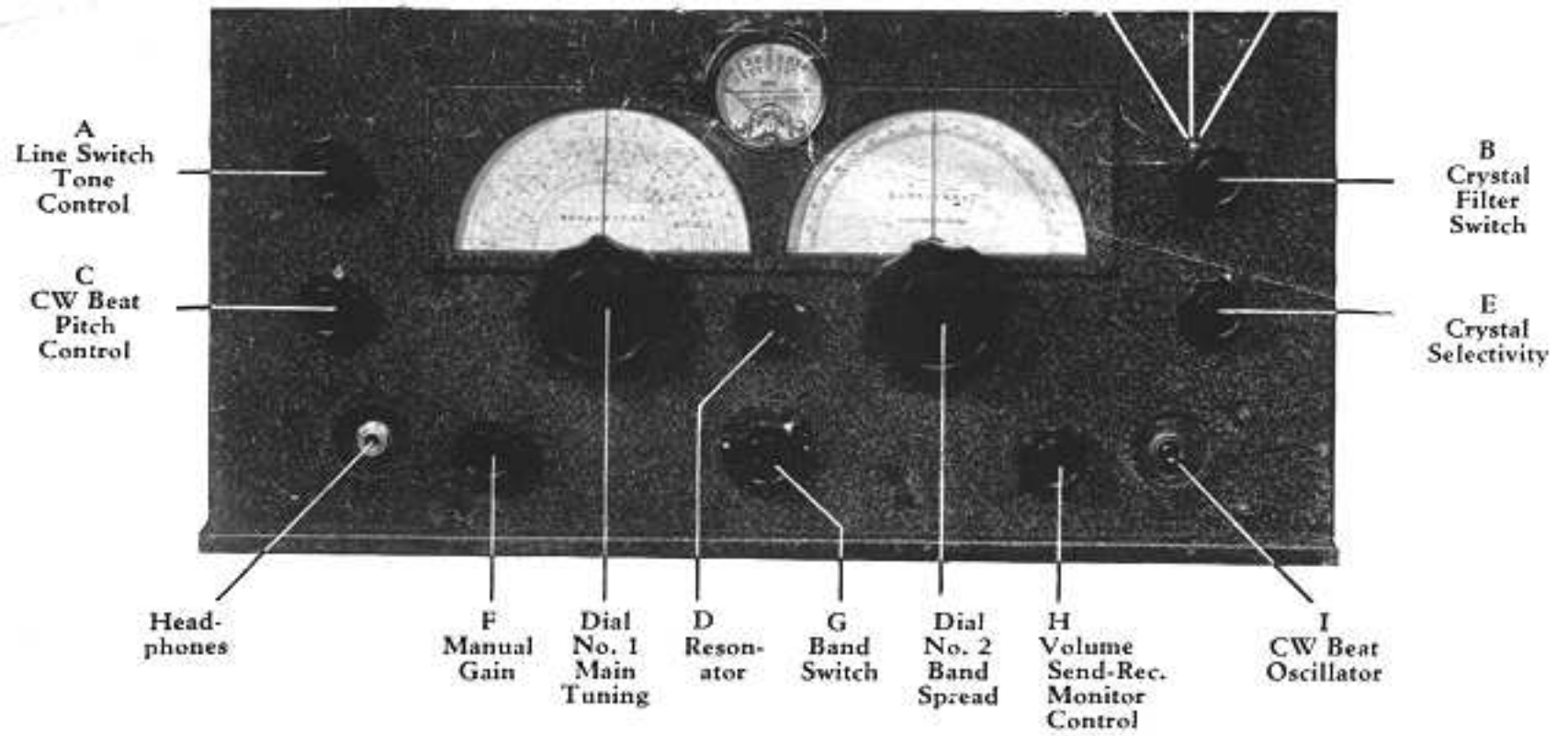

Fig. 2A. Front Panel Layout of the Standard RME-69, AC Model.

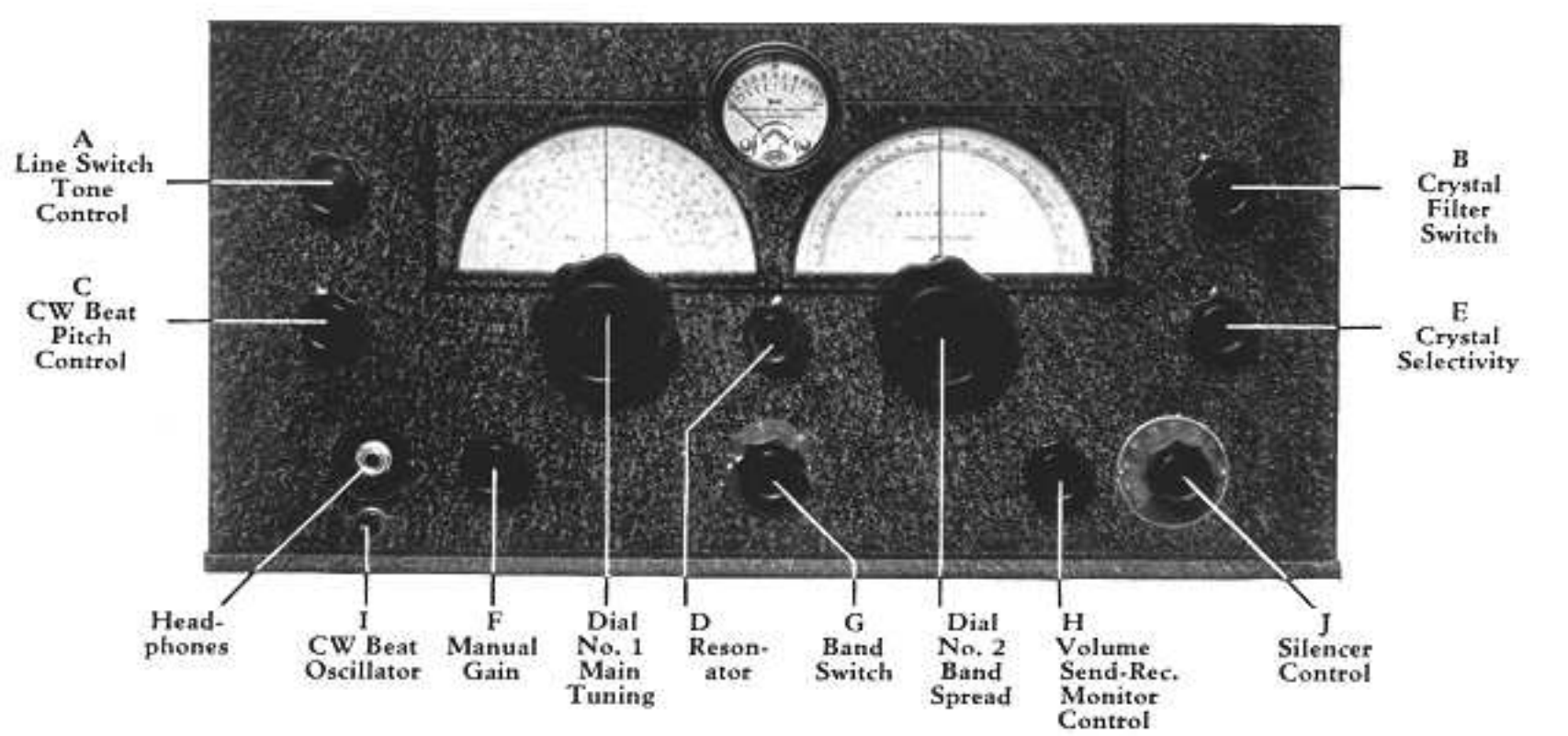

Fig. 2B. Front Panel Layout of the Standard RME-69, AC Model with Built-in Noise Silencer.

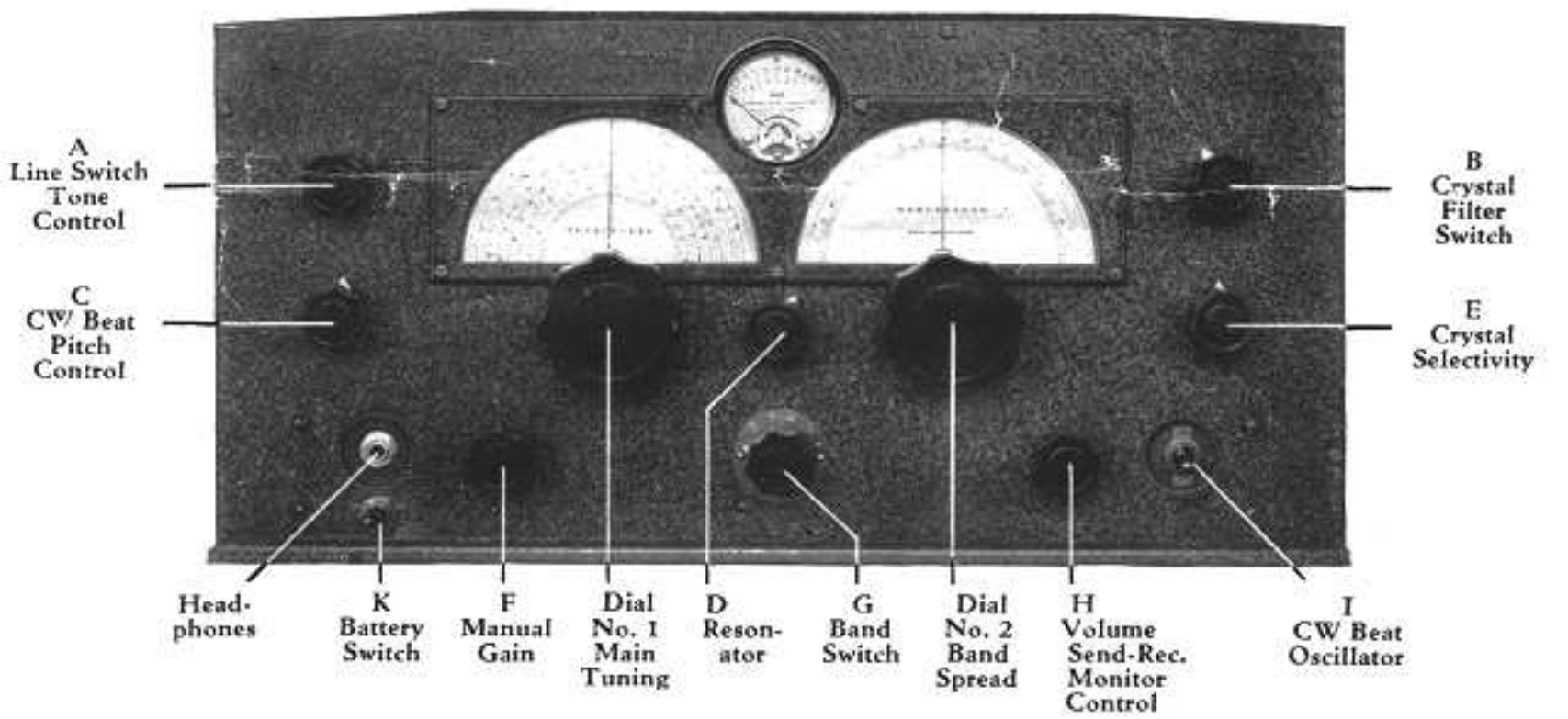

Fig. 2C. Front Panel Layout of the Combination Standard AC and Battery Model RME-69.

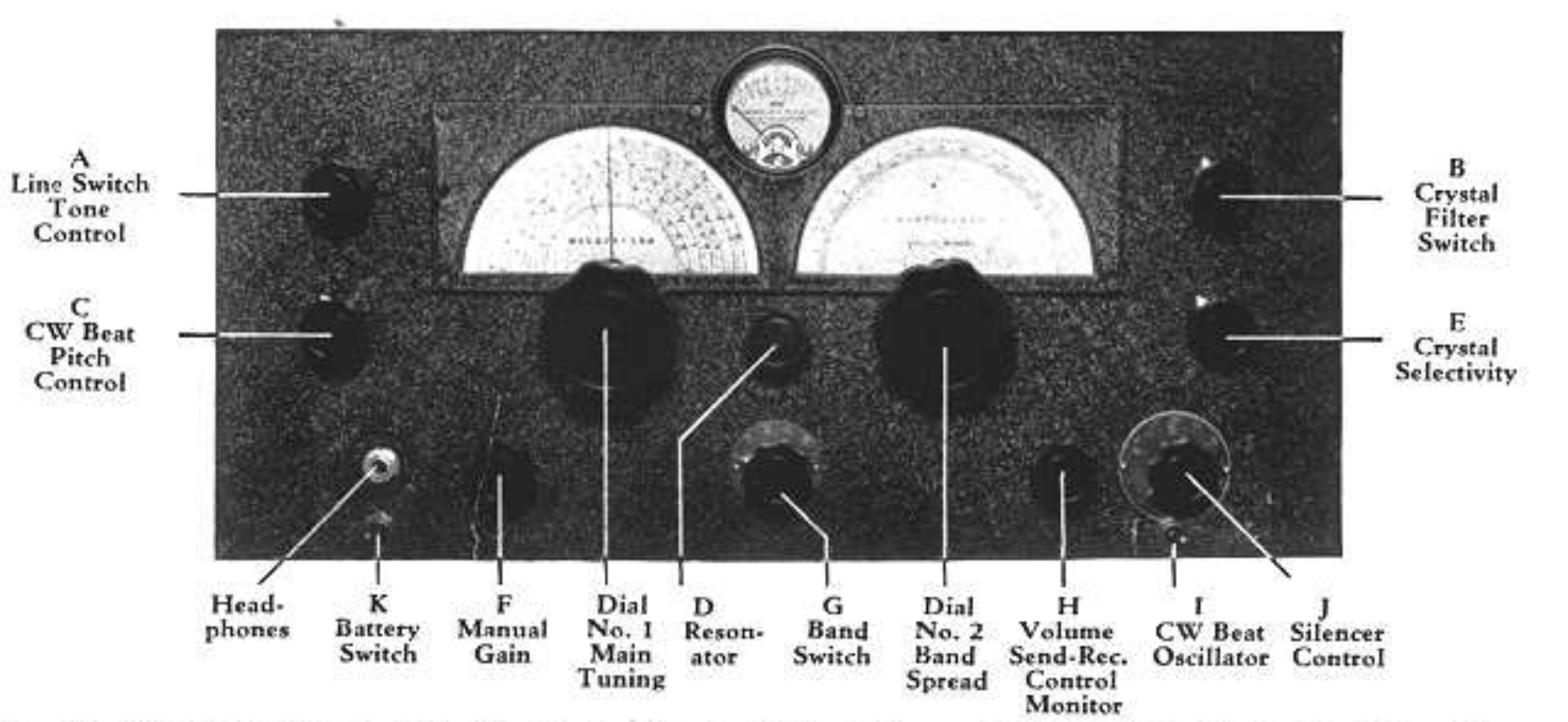

Fig. 2D. Front Panel Layout of the Combination Standard AC and Battery Model RME-69 with Built-in Noise Silencer.

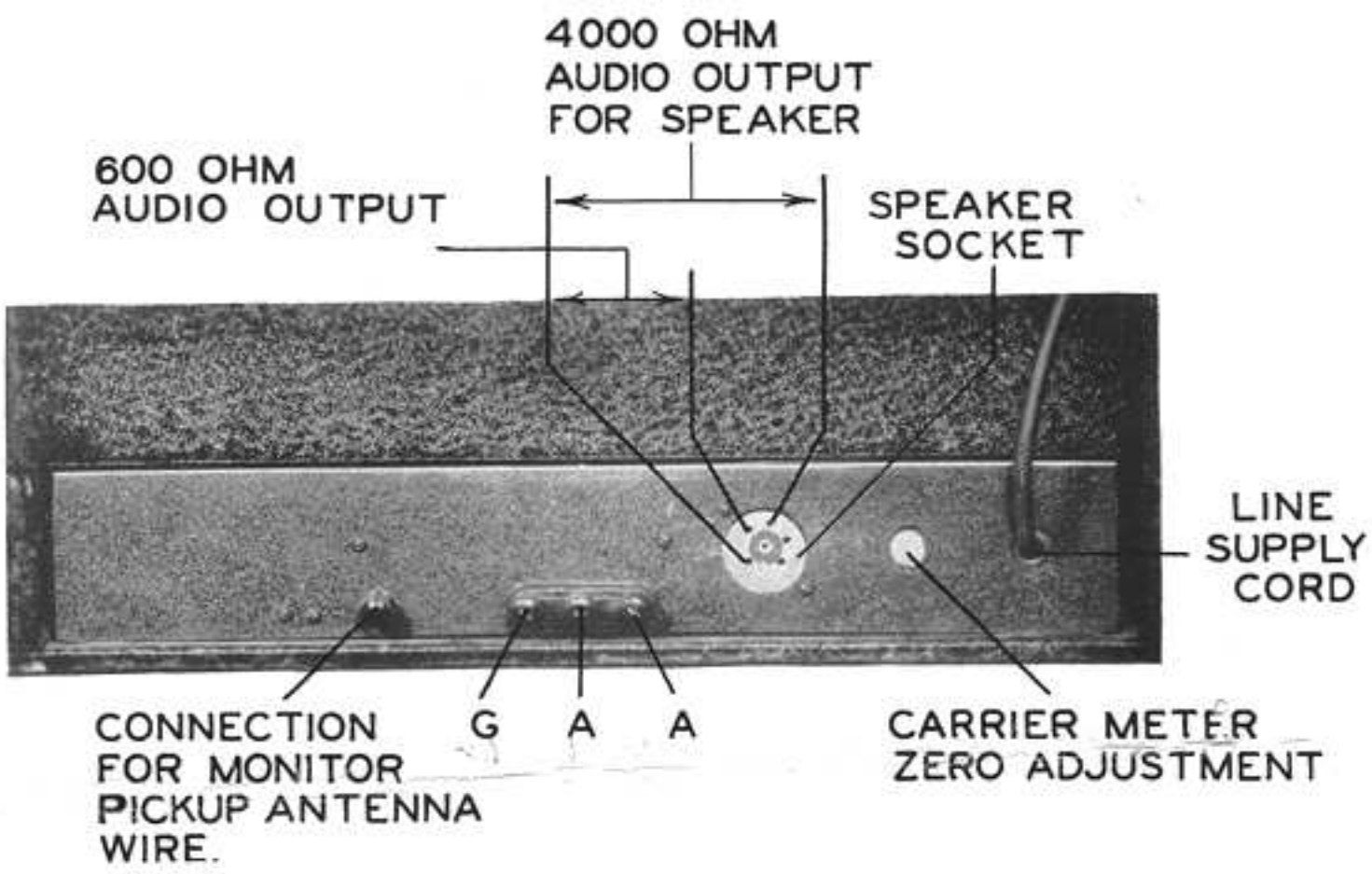

FIG. 3

FIG. 4

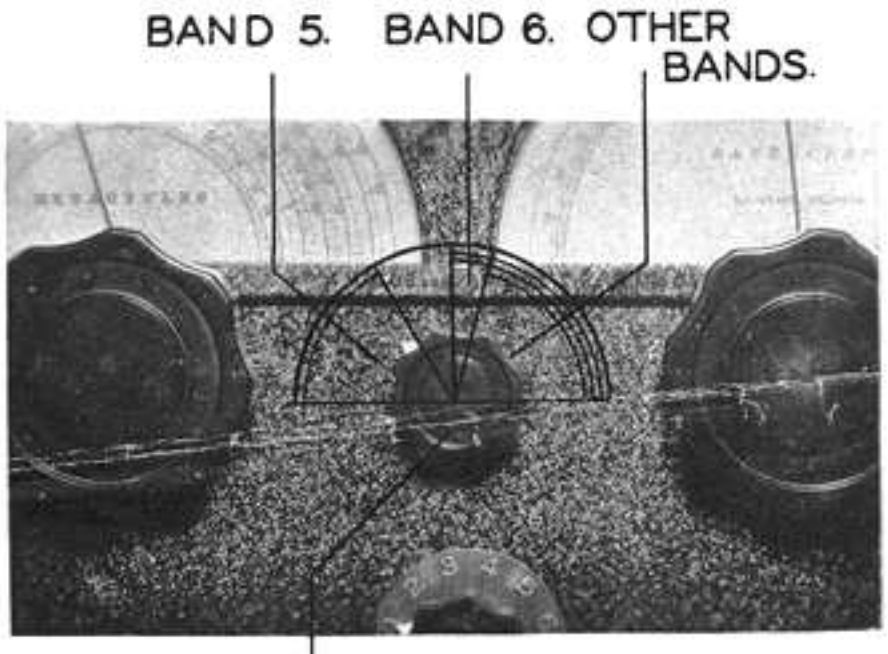

FIG. 5

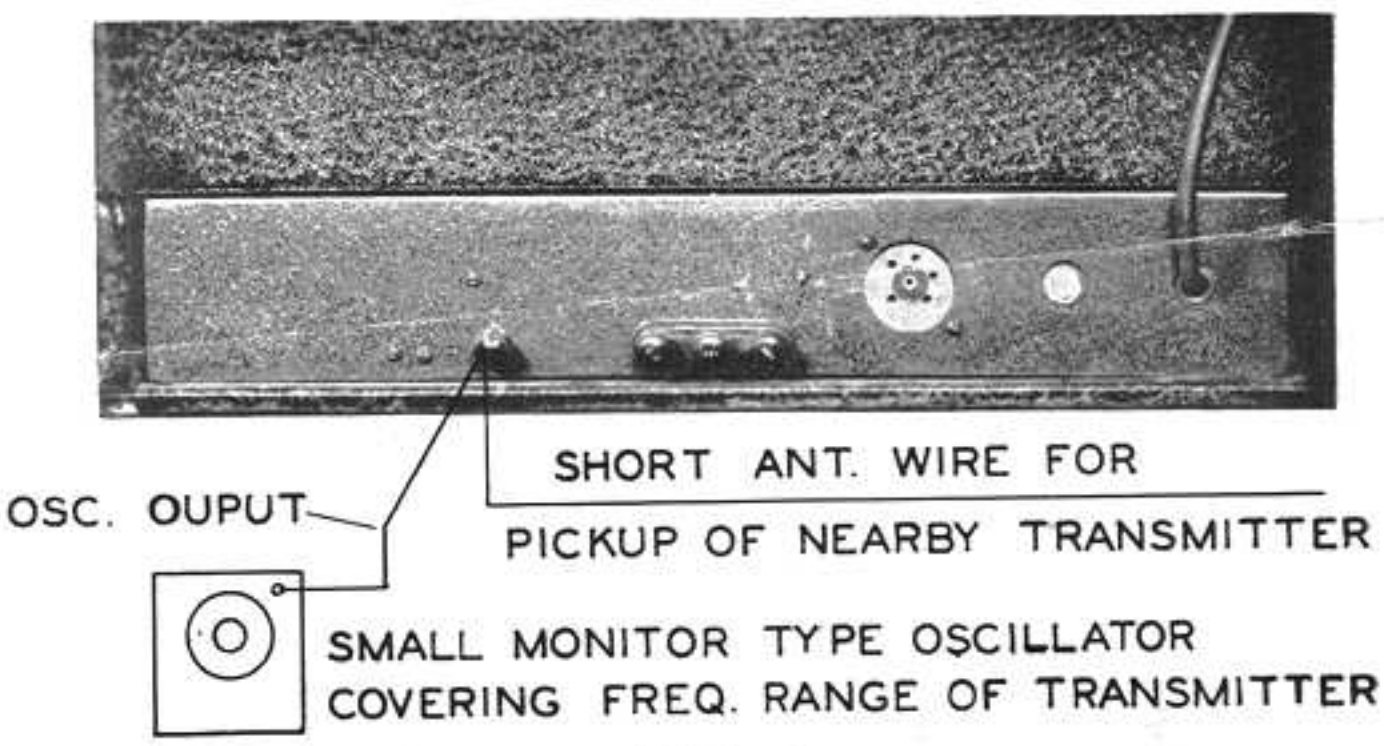

FIG. 6