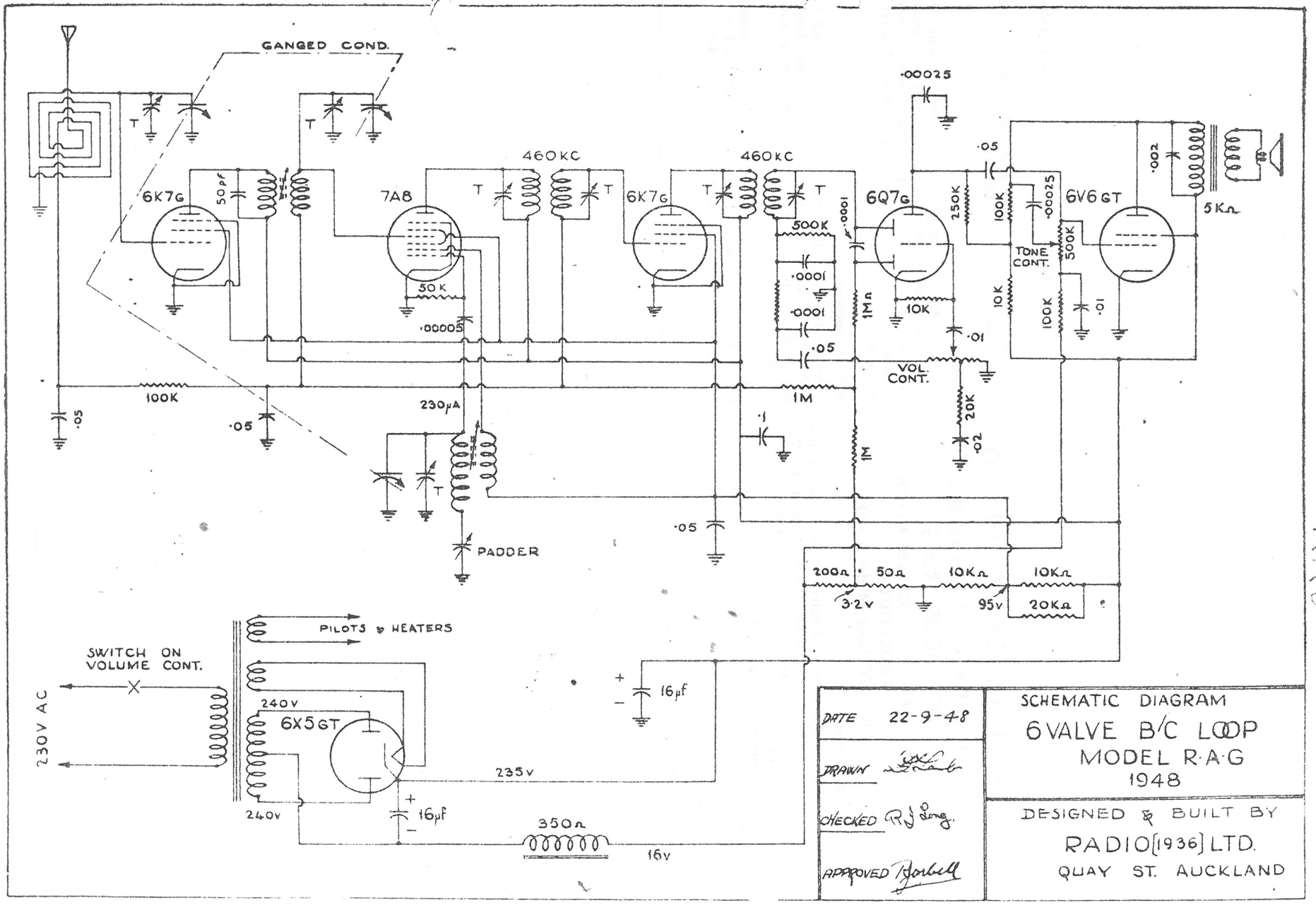
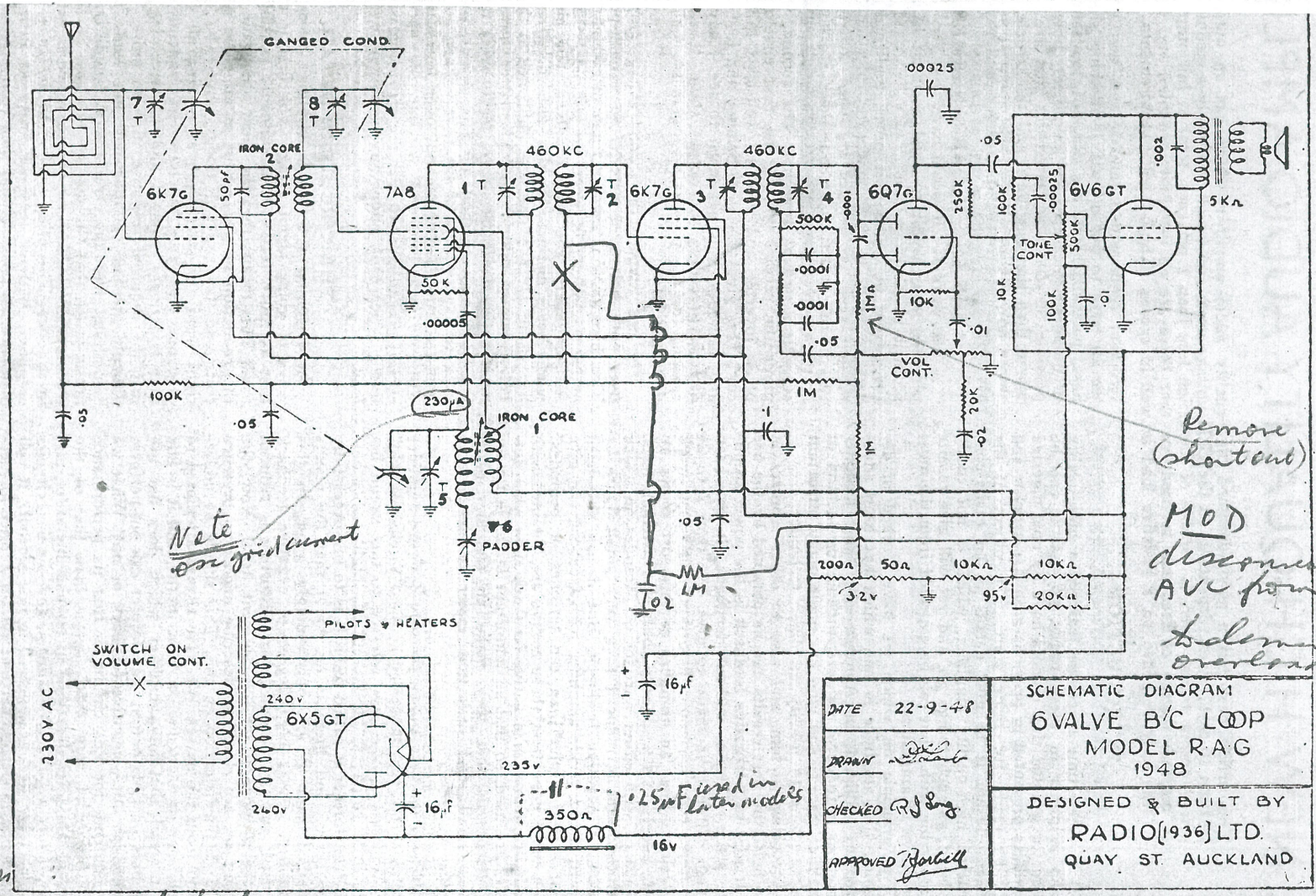

GANGED COND.
6K7G
50pf
7A8
460KC
460KC
6K7G
6Q7G
6V6GT
5Kn
·00025
·05
·002
250K
100K
·00025
TONE CONT.
500K
·0001
·0001
·0001
·05
1Mn
10K
·01
VOL. CONT.
10K
100K
·01
50K
·00005
100K
·05
·05
230µA
PADDER
1M
·1
·05
20K
·02
200n
50n
10Kn
10Kn
3·2v
95v
20Kn
PILOTS & HEATERS
SWITCH ON VOLUME CONT.
230V AC
240v
6X5GT
16µf
235v
240v
16µf
350n
16v
DATE 22-9-48
DRAWN
CHECKED R J Long.
APPROVED
SCHEMATIC DIAGRAM
6 VALVE B/C LOOP
MODEL R·A·G
1948
DESIGNED & BUILT BY
RADIO (1936) LTD.
QUAY ST. AUCKLAND

RAG



RAG uses Companion plastic loop

Model RAG S/N 11569 uses 6K7g ECH21, 6K7g 7C6, 7C5, 7A4

Prov. Pat 98153 (1949) Later model uses 119067 → 7B7, 7S7, 7B7, 7CC 7C5, 7A4 see next page

RAG

For The Serviceman

THE ULTIMATE 6-VALVE B/C LOOP MODEL, R.A.G.

ALIGNMENT AND CALIBRATION PROCEDURE

(6-valve B/C Loop Model R.A.G.)

I.F. Alignment:

A signal generator modulated 30 per cent. at 400 c.p./s. is coupled between the control grid of the 7S7 frequency changer and ground by means of a 0.1 μf. condenser.

I.F. transformers should be adjusted in the following order: T_4, T_3, T_1, T_2 for maximum output at 460 kc/s.

An input of approximately 30 microvolts should produce an output of 50 milliwatts.

Calibration:

Adjust 1400 kc/s. point with trimmer T_5 and 600 kc/s. point with trimmer T_6. Adjust 1000 kc/s. point by means of iron core 1. Intermediate point should be checked and osc. sect. of gang fanned to correct frequency.

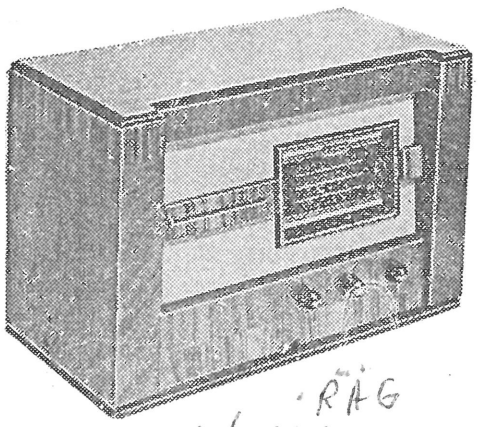
R.F. Alignment:

Adjust 1400 kc/s. by means of trimmers T_7 and T_8 and 600 kc/s. by means of iron core 2. Loop should not need adjusting, as it is unlikely that inductance should vary.

If calibration has been accurate, 1000 kc/s. should be in alignment. Check intermediate points and correct by fanning det. and antenna sections of gang.

6V BROADCAST WITH BUILT-IN LOOP

A newly-styled, attractive, mantel cabinet with 8" speaker, housing a highly sensitive receiver with an R.F. Stage directly coupled to the loop aerial. Due to this loop, it is not necessary to have an outside aerial; therefore, it is possible to transfer the receiver from room to room, merely plugging into the A.C. mains. by arranging the position of the set, maximum "pick-up" from the station fancied enables extraneous noise and other station interference to be minimised.



RAG
Oct 1948