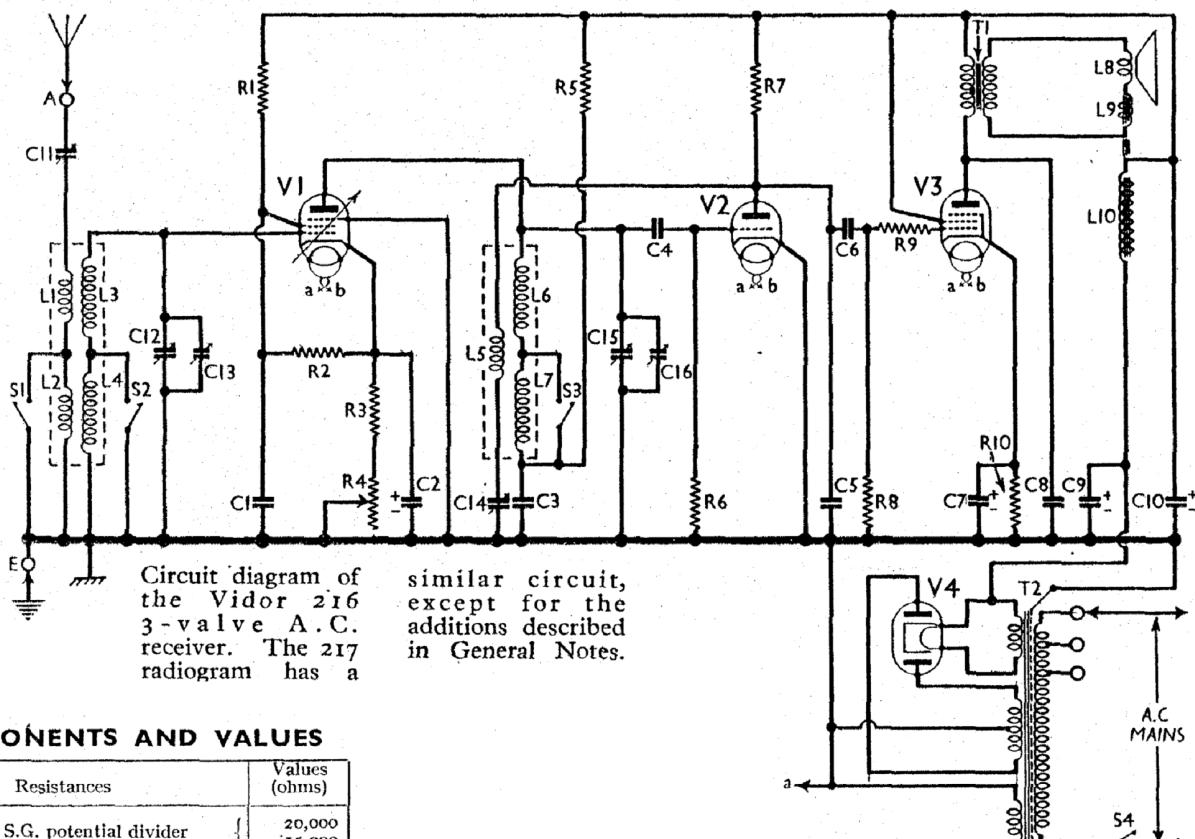


VIDOR - 216 & 217



COMPONENTS AND VALUES

Resistances		Values (ohms)
R ₁	V ₁ S.G. potential divider	20,000
R ₂	V ₁ fixed G.B. resistance	15,000
R ₃	V ₁ gain control	300
R ₄	V ₁ anode decoupling	10,000
R ₅	V ₁ anode decoupling	20,000
R ₆	V ₂ grid leak	1,000,000
R ₇	V ₂ anode load	100,000
R ₈	V ₃ C.G. resistance	500,000
R ₉	V ₃ C.G. H.F. stopper	250,000
R ₁₀	V ₃ G.B. resistance	150

Other Components		Approx. Values (ohms)
L ₁	Aerial coupling coils	1.5
L ₂		3.25
L ₃	Aerial tuning coils	5.5
L ₄		9.5
L ₅	Reaction coil	3.0
L ₆		5.75
L ₇	V ₁ anode tuning coils	11.5
L ₈	Speaker speech coil	1.7
L ₉	Hum neutralising coil	0.1
L ₁₀	Speaker field coil	2,000.0
T ₁	Speaker input trans.	Pri. 730.0 Sec. 0.3
T ₂	Mains. trans.	Pri. total 38.0 Heater sec. 0.05 Rect. heat. sec. 0.1
S ₁ -S ₃	Waveband switches	560.0
S ₄	Mains switch, ganged R ₄	—

VALVE ANALYSIS

Valve voltages and currents given in the table on page III are those measured in our receiver when it was operating on mains of 225 V, using the 230 V tapping on the mains transformer. The volume control was at maximum but the reaction control was at minimum, and there was no signal input.

Voltages were measured on the 1,200V scale of an Avometer, with chassis as negative.

GENERAL NOTES

Switches.—S₁-S₃, the waveband switches, are in a single unit, seen in the under-chassis view. All the switches are *closed* on the M.W. band and *open* on the L.W. band. In the radiogram model there is an extra switch in the unit, which then has three positions, M.W., L.W. and Gram. The extra switch is *open* on M.W. and L.W., and *closed* on gram.

S₄ is the Q.M.B. mains switch, ganged with the gain control R₄.

Coils.—The tuning coils are in two screened units on the chassis deck.

Valve	Anode Volts	Anode Current (mA)	Screen Volts	Screen Current (mA)
V ₁ VP4A	205	2.0	110	1.0
V ₂ 354V	67	2.1	—	—
V ₃ Pen4VB	232	34.0	260	4.2
V ₄ R ₃	318†	—	—	—

† Each anode, A.C.

* Electrolytic. † Variable. ‡ Pre-set.