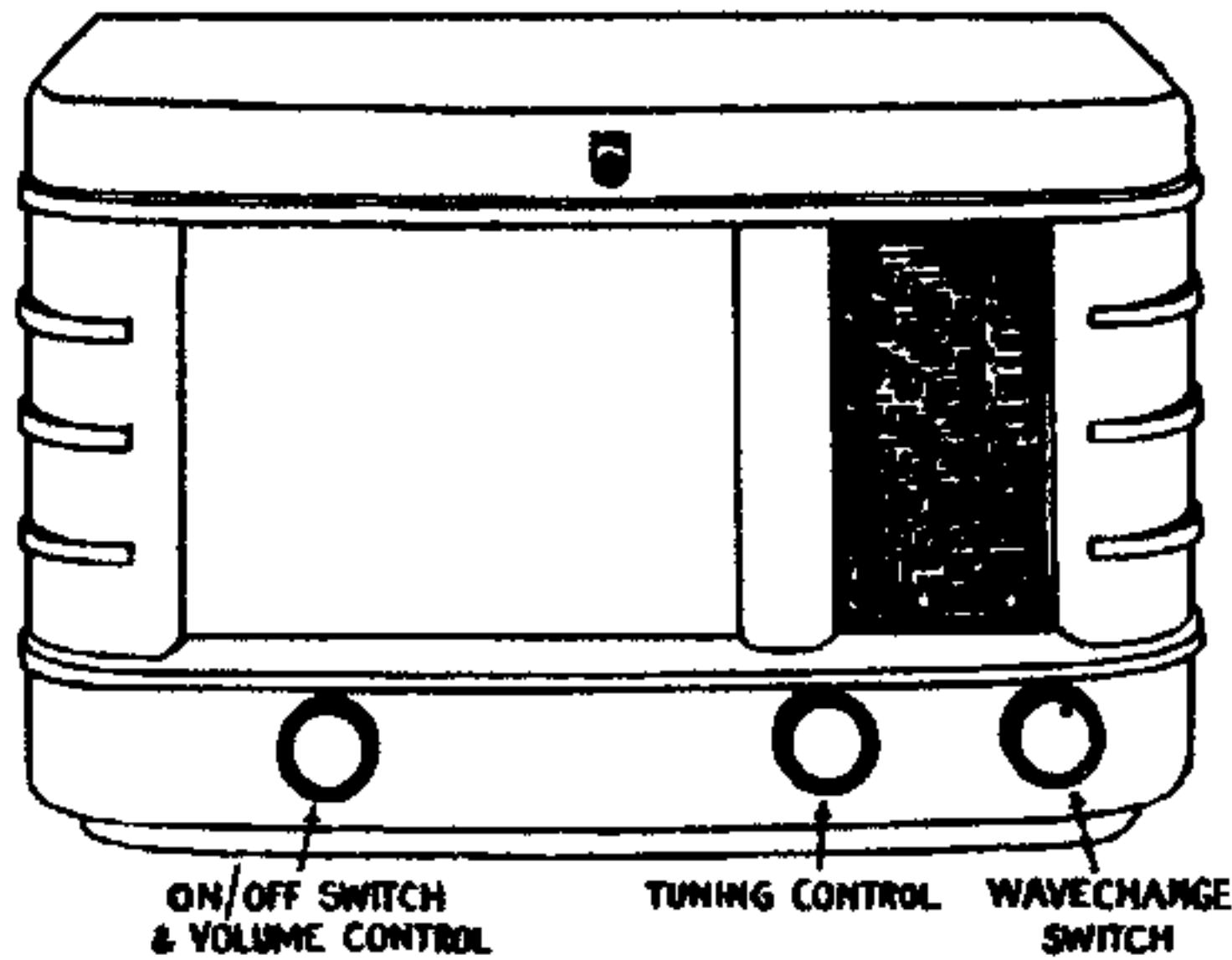
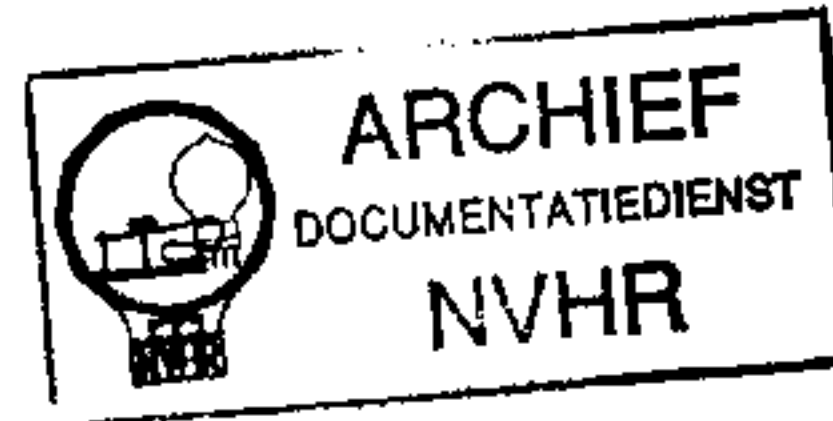


SERVICE DATA

PHILIPS TYPE 206A

Ned. Ver. v. Historie v.



GENERAL INFORMATION.

Valve Combination

(The side contact base valves, as used in earlier models, are shown in brackets.)

Mullard ECH ₃₅ (ECH ₃)	...	Frequency Changer.
Mullard EF ₃₉ (EF ₉)	...	I.F. Amplifier.
Mullard EBL ₃₁ (EBL ₁)	...	Det. A.V.C. & Output.
Philips AZ ₃₁ (AZ ₁)	...	H.T. Rectifier
Dial Lamp	8045D-00...	(6.3V., 0.32A.).

Wave Ranges :—

16.7—51 metres
186—585 metres
708—2000 metres

L.F. Frequency :—

470 Kc.

Trimming Points :—

S.W. Nil.
M.W. 1500 or 1550 Kc.
L.W. 408 and 160 Kc.

Output :—

3 watts undistorted.

Extension Speaker :—

5 to 7 ohms.

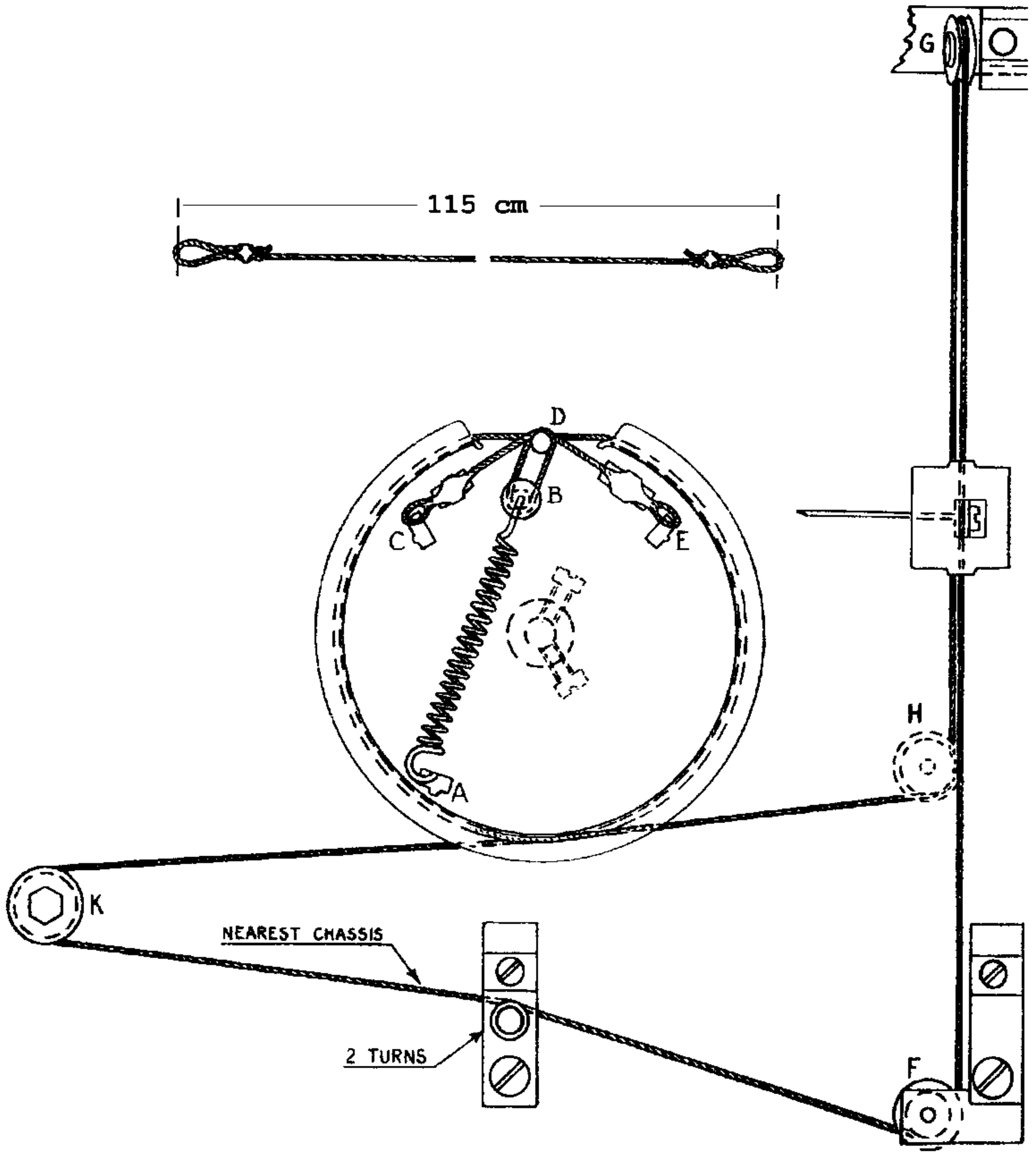
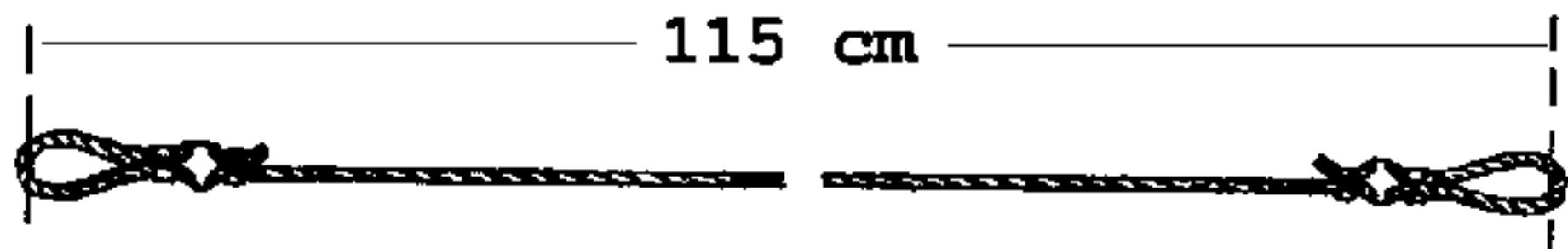
Mains Consumption :—

45 watts.

Voltage Range :—For A.C. mains

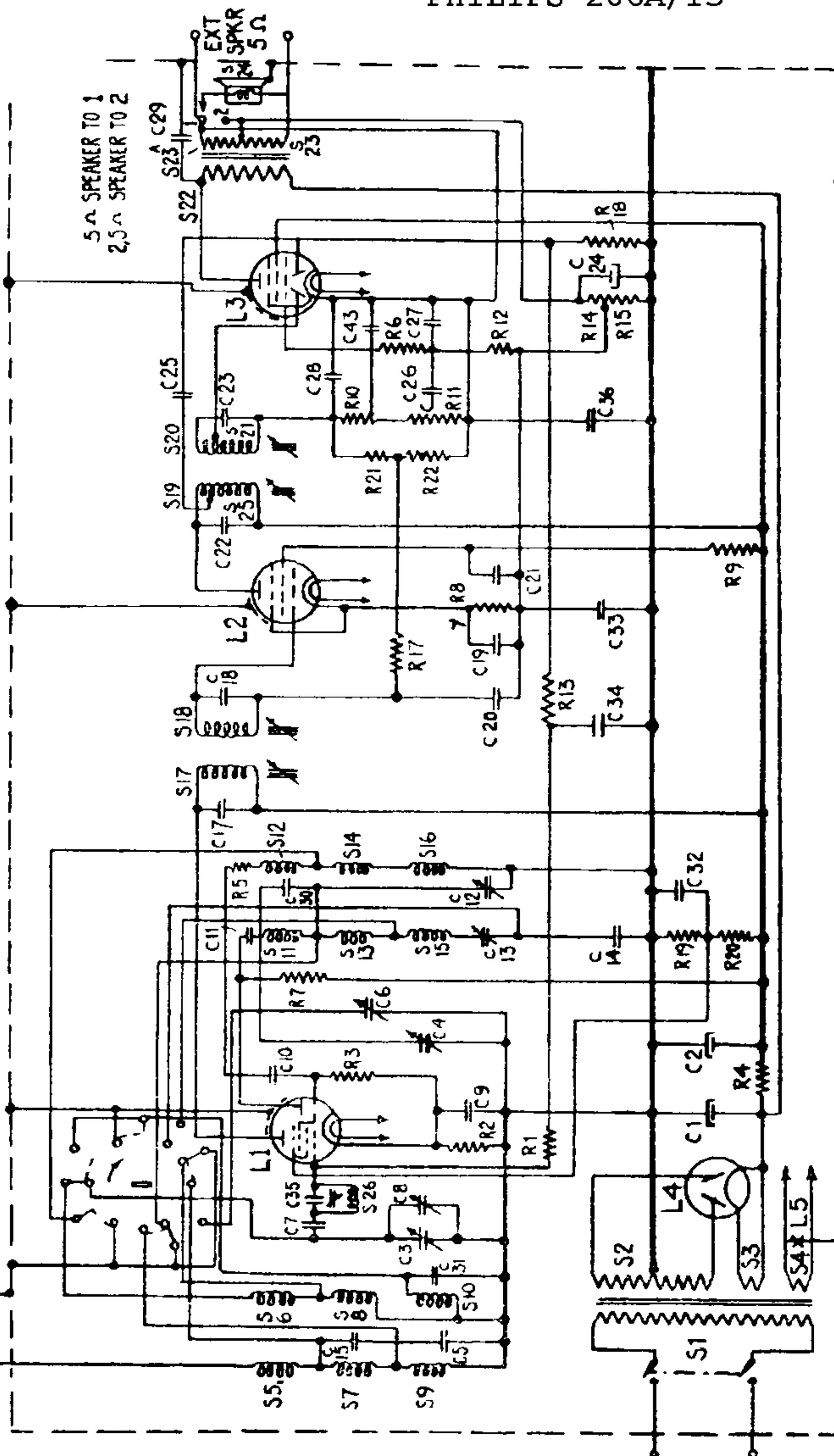
100-260 volts at 50-100 c.p.s.

Dimensions :—Width, 15½ ins. Height, 9 ins. Depth, 7½ ins.



S	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																																																																										
C	5	15	34	3	7	8	35	1	9	2	10	30	6	4	11	12	13	14	32	17	18	19	20	33	21	22	34	23	25	26	27	28	36	43	24	29																																																														
R	1	2	3	4	7	19	20	5	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

WAVE RANGES SW. MW. LW.
SWITCH POSN SW.



CONDENSERS, RESISTANCES & COILS

C1	32 uF	28.182.40
C2	32 uF	28.182.40
C3, 4	490 pF	†28.212.52
C5	39 pF	49.055.23
C6	32 pF	28.212.06
C7	330 pF	49.055.34
C8	30 pF	28.212.36
C9	47000 pF	49.127.61
C10	100 pF	49.055.28
C11	470 pF	49.055.53
C12	30 pF	28.212.36
C13	200 pF	28.212.08
C14	435.5 pF	49.080.76
C15	39 pF	49.055.23
C17	103 pF	In Coil.
C18	97 pF	In Coil.
C19	47000 pF	49.127.61
C20	47000 pF	49.127.61
C21	47000 pF	49.128.61
C22	103 pF	In Coil.
C23	103 pF	In Coil.
C24	25 uF	28.182.24
C25	3.9 pF	49.055.11
C26	22000 pF	49.127.59
C27	100 pF	49.055.28
C28	56 pF	49.055.25
C29	4700 pF	49.126.54
C30	*22 pF	49.055.20
C30	18 pF	49.055.19
C31	*3.9 pF	49.055.11
C32	47000 pF	49.128.61
C33	0.1 uF	49.127.63
C34	47000 pF	49.127.22
C35	47 pF	10234B
C36	47000 pF	49.127.61
C43	56 pF	49.055.25

R1	0.47 M.Ohm.	49.375.560
R2	270 Ohm.	49.375.170
R3	47000 Ohm.	49.375.440
R4	1800 Ohm.	49.356.300
R5	150 Ohm.	49.375.140
R6	1000 Ohm.	49.375.770
R7	27000 Ohm.	49.377.410
R8	1200 Ohm.	49.375.250
R9	68000 Ohm.	49.376.460
R10	47000 Ohm.	49.375.440
R11	0.5 M.Ohm.	MK.808.230
R12	1 M.Ohm.	49.375.600
R13	1.5 M.Ohm.	49.375.620
R14	220 Ohm.	49.376.160
R15	470 Ohm.	49.377.200
R17	1.8 M.Ohm.	49.375.630
R18	1 M.Ohm.	49.375.600
R19	39000 Ohm.	49.377.450
R20	33000 Ohm.	49.377.420
R21	2.7 M.Ohm.	49.376.650
R22	2.7 M.Ohm.	49.376.650

S1 - S4	A1.055.52
S5 - S6	A1.000.59
S7 - S10	A1.000.56
S11 - S12	A1.000.55
S13 - S14	{ A1.000.58 Blue Spot.
S15 - S16	{ A1.000.57 Green Spot.
S17 - S18	A1.035.83
S19 - S21, 25	28.573.90
S22 - S23A	MK.510.45
S24 - { 2.5Ω 5 Ω }	28.220.69
S26	49.981.02 MK.560.44

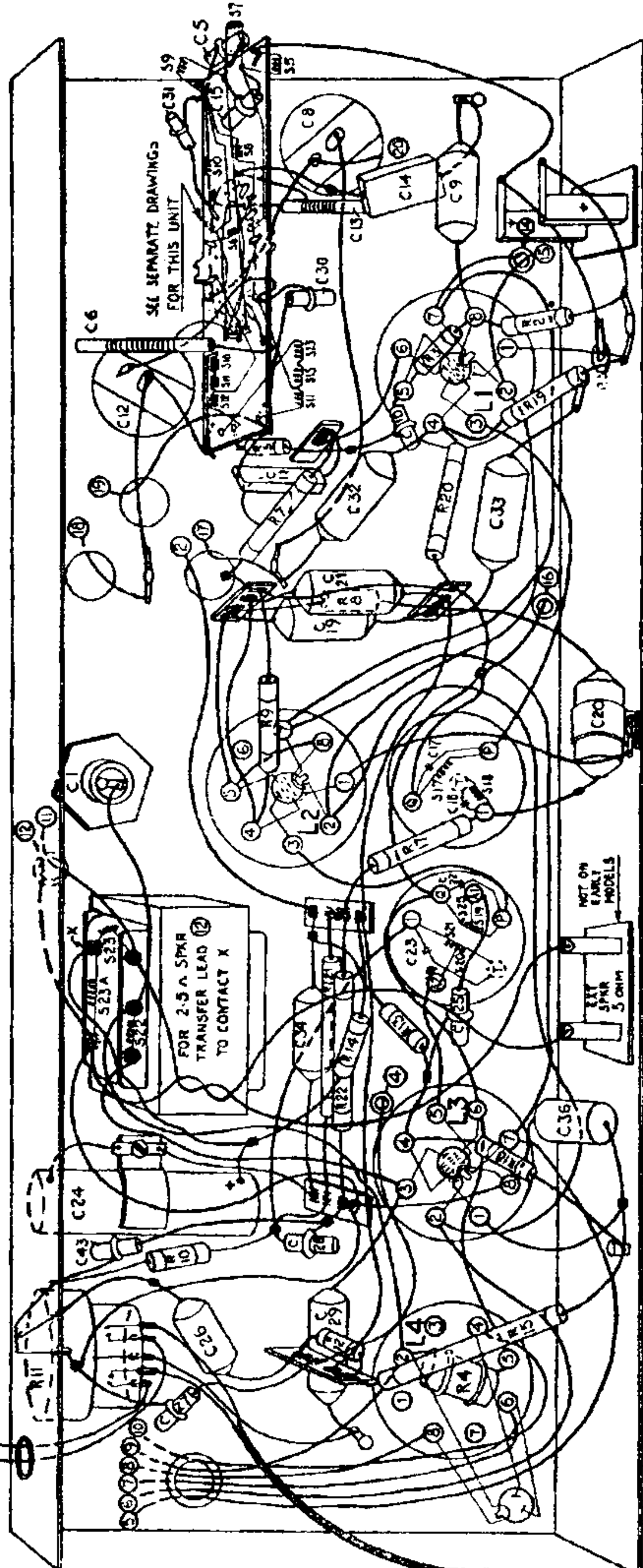
* Only used with the brass vane gang.

† Aluminium gang MK.210.13.

R 1	RESISTANCES	1/2 WATT	0.47 MEG	R 11	POT	1/2 WATT	0.5 MEG	C 1	CONDENSERS	32 uF	C 14	MICA	435.5 uF	C 29	SPECIAL CERAMIC	4700 PF	C 51	COILS (OHMIC VALUES)	70	S 13
R 2	"	"	270	R 12	"	"	1.0 MEG	C 2	320 V	32 uF	C 15	CERAMIC	3.9 PF	C 30	"	"	S 14	51	7	5
R 3	"	"	47000	R 13	"	"	1.5 MEG	C 3	320 V	32 uF	C 17	IN COIL	103 PF	C 31	"	"	S 15	480	2	5
R 4	1.5 WATT	"	1800	R 14	"	1 WATT	220	C 34	GANG	490 PF	C 18	"	97 PF	C 32	400 V	"	S 16	<1	16	5
R 5	1/4 WATT	"	150	R 15	"	"	470	C 5	CERAMIC	39 PF	C 19	100 V	47000 PF	C 33	100 V	"	S 17	<1	7	5
R 6	"	"	1000	R 16	"	"	1.8 MEG	C 6	"	32 PF	C 20	100 V	47000 PF	C 34	100 V	"	S 18	2	7	5
R 7	"	"	1000	R 17	"	"	1.0 MEG	C 7	TRIMMER	330 PF	C 21	400 V	47000 PF	C 35	CERAMIC	"	S 19	<1	3	5
R 8	2 WATT	"	28000	R 18	1/2 WATT	"	39000	C 8	"	30 PF	C 22	500 V	103 PF	C 36	100 V	"	S 21	23	3	5
R 9	1/4 WATT	"	4200	R 19	1 WATT	"	34000	C 9	100 V	47000 PF	C 24	ELECTROLYTIC	25 uF	C 43	CERAMIC	"	S 22	4	700	5
R 10	1/2 WATT	"	68000	R 20	2 WATT	"	2.7 MEG	C 10	CERAMIC	100 PF	C 25	CERAMIC	3.9 PF		"	"	S 23	170	<1	5
	1/4 WATT	"	47000	R 21	1 WATT	"	2.7 MEG	C 11	TRIMMER	470 PF	C 26	100 V	22000 PF		"	"	S 23A	45	<1	5
				R 22	"	"	2.7 MEG	C 12	TRIMMER	200 PF	C 27	CERAMIC	100 PF		"	"	S 24	<1	2.0 OR 3.5	5
								C 13	"	"	C 28	"	56 PF		"	"	S 26	<1	10	5

NOT USED IN EARLY MODELS

USED ONLY WITH BRASS VANE GANG.



S	5	11-16.	5-10.
C	27	26 29.	43 28 24
R	4	11 12 15.	10.
		18.	21 22 14 13
		22 23A 20 21 19 25 23.	18 17.
		34 25.	22.
		18 1 17.	20.
		8.	7 20.
		5.	19 3.
		11 10.	12 6.
		4 33 3 32 11 40.	30.
		13 14 9.	8 31 15 5.

TOTAL ANODE CURRENT 47mA
VOLTS ON C1 270
VOLTS ON C2 230
VOLTS ACROSS S2 495AC

SIDE CONTACT BASE DIAGRAMS

