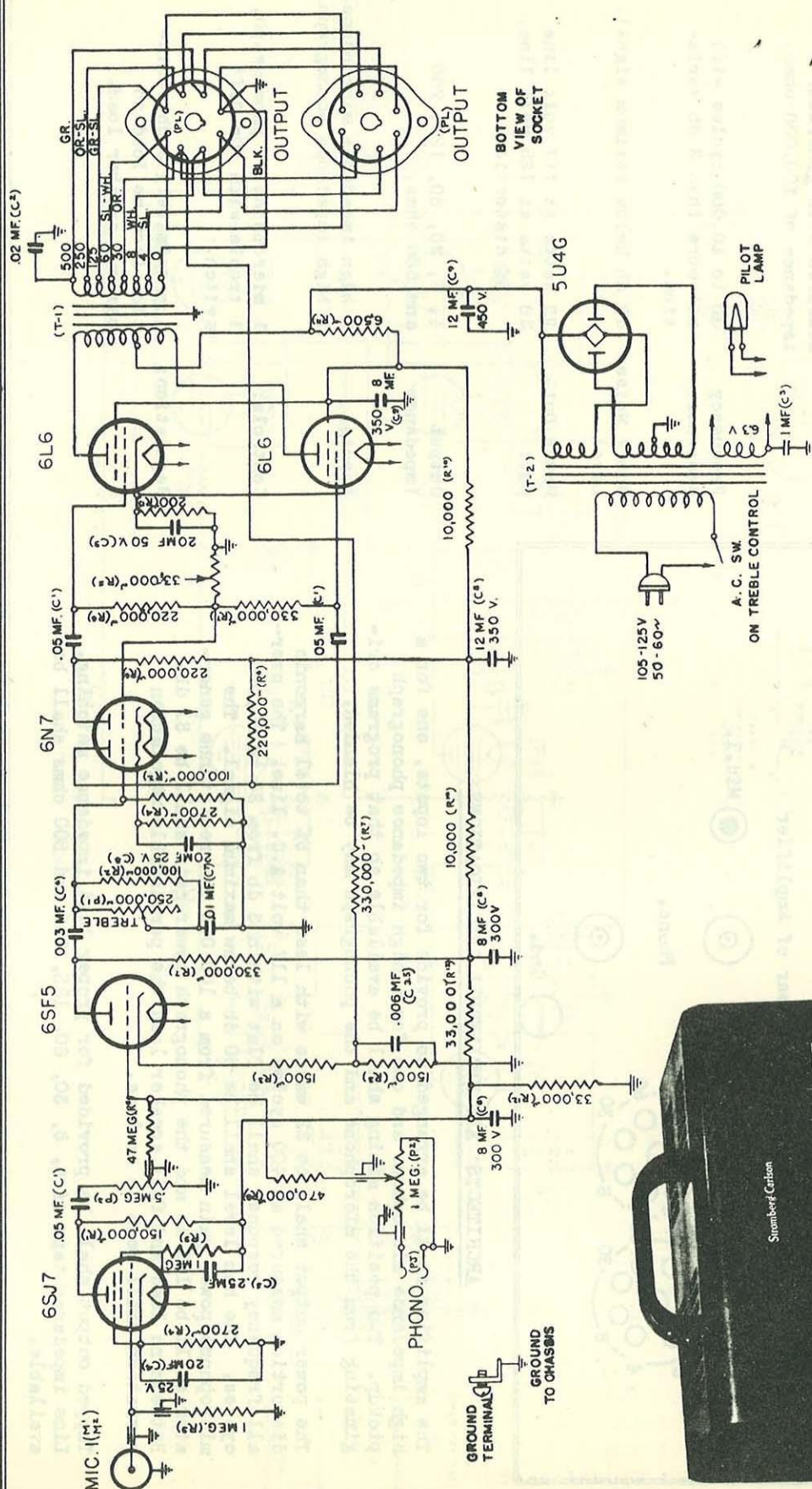


STROMBERG-CARLSON CO.

MODEL 19

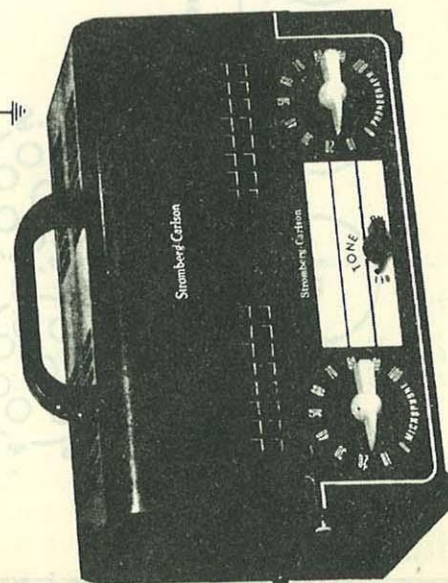


Code	Description	Location
32657	8 PL. Output	P1
32649	Potentiometer, Off-Tone-On	P2
32651	Potentiometer, Phono	P3
33995	Potentiometer, Micro	P4
27640	Resistor, 150,000 ^W	R1
28006	Resistor, 1.0 meg.	R2
28163	Resistor, 2,700 ^W	R3
28163	Resistor, 33,000 ^W	R4
28163	Resistor, 330,000 ^W	R5
28163	Resistor, 330,000 ^W	R6
28163	Resistor, 330,000 ^W	R7
28163	Resistor, 330,000 ^W	R8
28163	Resistor, 330,000 ^W	R9
28163	Resistor, 330,000 ^W	R10
28163	Resistor, 330,000 ^W	R11
28163	Resistor, 330,000 ^W	R12
28163	Resistor, 330,000 ^W	R13
28163	Resistor, 330,000 ^W	R14
28163	Resistor, 330,000 ^W	R15
28163	Resistor, 330,000 ^W	R16
28163	Resistor, 330,000 ^W	R17
28163	Resistor, 330,000 ^W	R18
28163	Resistor, 330,000 ^W	R19
28163	Resistor, 330,000 ^W	R20
28163	Resistor, 330,000 ^W	R21
28163	Resistor, 330,000 ^W	R22
28163	Resistor, 330,000 ^W	R23
28163	Resistor, 330,000 ^W	R24
28163	Resistor, 330,000 ^W	R25
28163	Resistor, 330,000 ^W	R26
28163	Resistor, 330,000 ^W	R27
28163	Resistor, 330,000 ^W	R28
28163	Resistor, 330,000 ^W	R29
28163	Resistor, 330,000 ^W	R30
28163	Resistor, 330,000 ^W	R31
28163	Resistor, 330,000 ^W	R32
28163	Resistor, 330,000 ^W	R33
28163	Resistor, 330,000 ^W	R34
28163	Resistor, 330,000 ^W	R35
28163	Resistor, 330,000 ^W	R36
28163	Resistor, 330,000 ^W	R37
28163	Resistor, 330,000 ^W	R38
28163	Resistor, 330,000 ^W	R39
28163	Resistor, 330,000 ^W	R40
28163	Resistor, 330,000 ^W	R41
28163	Resistor, 330,000 ^W	R42
28163	Resistor, 330,000 ^W	R43
28163	Resistor, 330,000 ^W	R44
28163	Resistor, 330,000 ^W	R45
28163	Resistor, 330,000 ^W	R46
28163	Resistor, 330,000 ^W	R47
28163	Resistor, 330,000 ^W	R48
28163	Resistor, 330,000 ^W	R49
28163	Resistor, 330,000 ^W	R50
28163	Resistor, 330,000 ^W	R51
28163	Resistor, 330,000 ^W	R52
28163	Resistor, 330,000 ^W	R53
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28163	Resistor, 330,000 ^W	R86
28163	Resistor, 330,000 ^W	R87
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28163	Resistor, 330,000 ^W	R89
28163	Resistor, 330,000 ^W	R90
28163	Resistor, 330,000 ^W	R91
28163	Resistor, 330,000 ^W	R92
28163	Resistor, 330,000 ^W	R93
28163	Resistor, 330,000 ^W	R94
28163	Resistor, 330,000 ^W	R95
28163	Resistor, 330,000 ^W	R96
28163	Resistor, 330,000 ^W	R97
28163	Resistor, 330,000 ^W	R98
28163	Resistor, 330,000 ^W	R99
28163	Resistor, 330,000 ^W	R100

Code	Description	Location
24994	Capacitor, .05 mf.	C1
25150	Capacitor, .02 mf.	C2
25483	Capacitor, .1 mf.	C3
25533	Capacitor, .006 mf.	C4
27685	Capacitor, Electrolytic	C5
29973	Capacitor, .25 mf.	C6
30853	Capacitor, .003 mf.	C7
32646	Capacitor, Electrolytic	C8
32646	Capacitor, Electrolytic	C9
32646	Capacitor, Electrolytic	C10
32646	Capacitor, Electrolytic	C11
32646	Capacitor, Electrolytic	C12
32646	Capacitor, Electrolytic	C13
32646	Capacitor, Electrolytic	C14
32646	Capacitor, Electrolytic	C15
32646	Capacitor, Electrolytic	C16
32646	Capacitor, Electrolytic	C17
32646	Capacitor, Electrolytic	C18
32646	Capacitor, Electrolytic	C19
32646	Capacitor, Electrolytic	C20
32646	Capacitor, Electrolytic	C21
32646	Capacitor, Electrolytic	C22
32646	Capacitor, Electrolytic	C23
32646	Capacitor, Electrolytic	C24
32646	Capacitor, Electrolytic	C25
32646	Capacitor, Electrolytic	C26
32646	Capacitor, Electrolytic	C27
32646	Capacitor, Electrolytic	C28
32646	Capacitor, Electrolytic	C29
32646	Capacitor, Electrolytic	C30
32646	Capacitor, Electrolytic	C31
32646	Capacitor, Electrolytic	C32
32646	Capacitor, Electrolytic	C33
32646	Capacitor, Electrolytic	C34
32646	Capacitor, Electrolytic	C35
32646	Capacitor, Electrolytic	C36
32646	Capacitor, Electrolytic	C37
32646	Capacitor, Electrolytic	C38
32646	Capacitor, Electrolytic	C39
32646	Capacitor, Electrolytic	C40
32646	Capacitor, Electrolytic	C41
32646	Capacitor, Electrolytic	C42
32646	Capacitor, Electrolytic	C43
32646	Capacitor, Electrolytic	C44
32646	Capacitor, Electrolytic	C45
32646	Capacitor, Electrolytic	C46
32646	Capacitor, Electrolytic	C47
32646	Capacitor, Electrolytic	C48
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32646	Capacitor, Electrolytic	C67
32646	Capacitor, Electrolytic	C68
32646	Capacitor, Electrolytic	C69
32646	Capacitor, Electrolytic	C70
32646	Capacitor, Electrolytic	C71
32646	Capacitor, Electrolytic	C72
32646	Capacitor, Electrolytic	C73
32646	Capacitor, Electrolytic	C74
32646	Capacitor, Electrolytic	C75
32646	Capacitor, Electrolytic	C76
32646	Capacitor, Electrolytic	C77
32646	Capacitor, Electrolytic	C78
32646	Capacitor, Electrolytic	C79
32646	Capacitor, Electrolytic	C80
32646	Capacitor, Electrolytic	C81
32646	Capacitor, Electrolytic	C82
32646	Capacitor, Electrolytic	C83
32646	Capacitor, Electrolytic	C84
32646	Capacitor, Electrolytic	C85
32646	Capacitor, Electrolytic	C86
32646	Capacitor, Electrolytic	C87
32646	Capacitor, Electrolytic	C88
32646	Capacitor, Electrolytic	C89
32646	Capacitor, Electrolytic	C90
32646	Capacitor, Electrolytic	C91
32646	Capacitor, Electrolytic	C92
32646	Capacitor, Electrolytic	C93
32646	Capacitor, Electrolytic	C94
32646	Capacitor, Electrolytic	C95
32646	Capacitor, Electrolytic	C96
32646	Capacitor, Electrolytic	C97
32646	Capacitor, Electrolytic	C98
32646	Capacitor, Electrolytic	C99
32646	Capacitor, Electrolytic	C100

Depth, 9"; length, 13-1/2";
height, 10-3/8" over cover
including handle.

26 lbs. net, 35 lbs. packed
for shipment.



MODEL 19

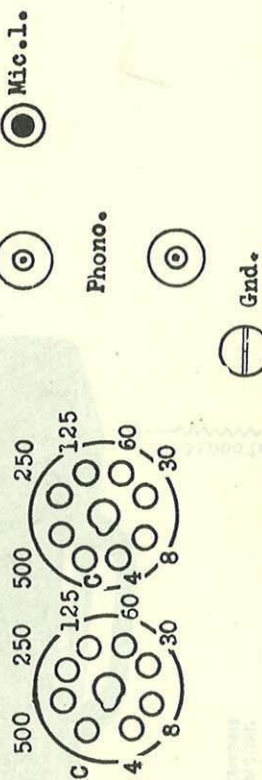
STROMBERG-CARLSON CO.

Power Supply:	105 to 125 Volts, 50-60 cycles.
Power Consumed:	120 watts at 125 Volts.
Power Gain:	119 db from microphone input, 81 db from phonograph input. Both measured with generator impedance of 100,000 ohms.
Frequency Response:	30 to 10,000 cycles with not more than 3 db variation.
Hum & Noise Level	50 db below maximum signal.
Power Output:	22 watts at 117 volt line 26 watts at 125 volt line. 5% distortion.
Output Impedance	4, 8, 30, 60, 125, 250 and 500 ohms.
Inputs:	1 high impedance microphone, 1 high impedance phonograph.
Controls:	1 microphone, 1 phonograph, 1 treble with "On-Off" switch.
Regulation:	Approximately 3 db variation from no load to maximum speaker load.

No. 19 Amplifier Tube Arrangement



Terminations at Rear of Amplifier



ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The amplifier shall be arranged to provide for two inputs, one for a high impedance microphone and one for a high impedance phonograph pickup. Two position mixing shall be available so that programs originating from the microphone and the phonograph may be blended.

The power output shall be 22 watts with less than 5% total harmonic distortion measured at 400 cycles on a 117 volt A.C. line. The overall frequency response shall be flat within 3 db from 30 to 10,000 cycles. The hum level shall be 50 db below maximum signal. The microphone power gain measured from a 100,000 ohm resistance generator shall be 119 db and the phonograph power gain shall be 81 db. Between no load and full speaker load the permissible regulation variation shall be 3 db or less.

Tapped output shall be provided for proper load impedance matching. Line impedance taps of 4, 8, 30, 60, 125, 250 and 500 ohms shall be available.