

Earl Radio Corp.

Model: 31

Chassis:

Year: Pre June 1932

Power:

Circuit:

IF:

Tubes:

Bands:

Resources

Riders Volume 2 - EARL 2-2

Riders Volume 1 - EARL 1-4

PARTS IDENTIFICATION BY COLOR

Resistances:

Large enameled wire-wound resistances:

- Green—4000-750 Ohms
- Red —5000 Ohms

Small carbon resistances:

- Gray — 2000 Ohms
- Brown—15000 Ohms
- Yellow—25000 Ohms
- Green —2 Megohms
- Red — 375 Ohms
- Black — 500 Ohms

Condensers:

Moulded bakelite fixed condensers:

These condensers can be identified by a colored spot as follows:

- Blue spot —.002 mfd.
- Green spot —.00025 mfd.
- Red spot —.0001 mfd.
- Yellow spot—.00021 mfd.

Bypass condensers:

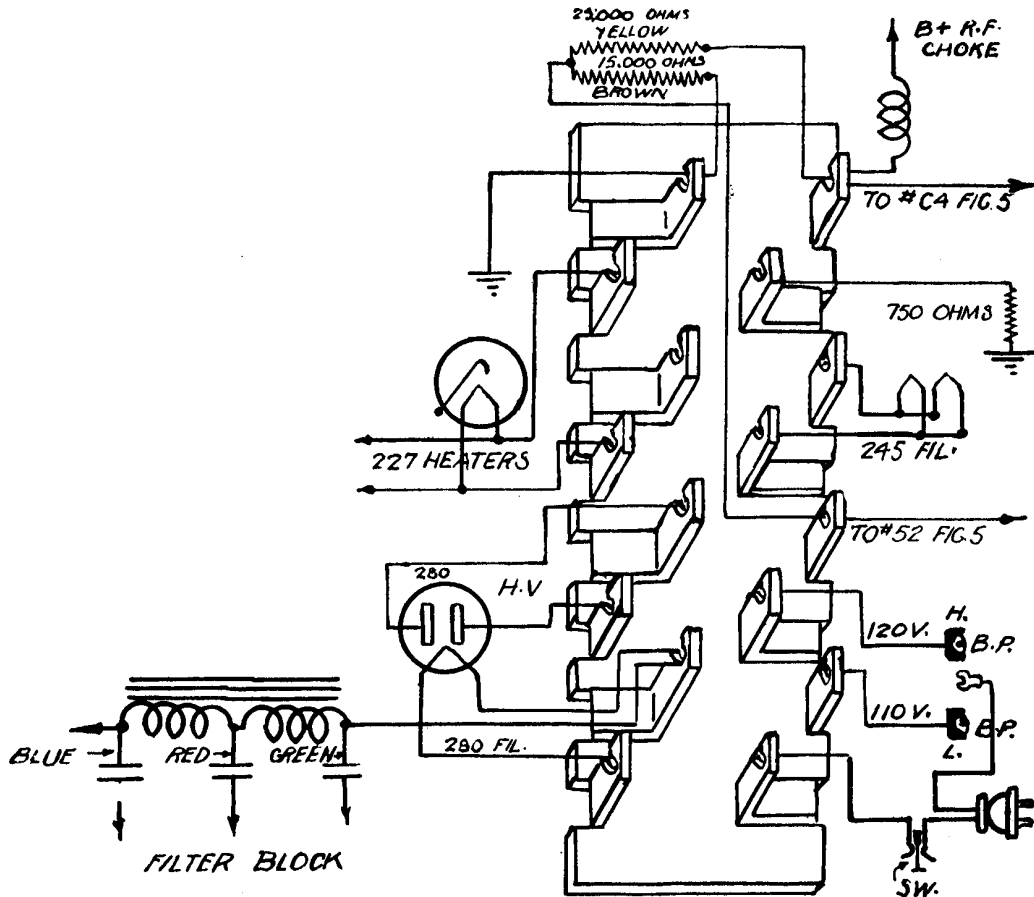
These condensers are equipped with one terminal lug and one lead, and may be identified by the color of the latter.

- Red —0.1 mfd.
- Green—0.5 mfd.—200 V.

Filter condenser block:

The individual sections of this condenser block can be identified by the color lead as follows:

- Black—Common lead to all sections except 0.1 mfd.
- Brown (2 leads)—0.1 mfd.—400 V.
- Blue—4 mfd.—400 V.
- Green—1 mfd.—600 V. for 60 cycles
2 mfd.—600 V. for 25 cycles
- Red —1 mfd.—600 V.
- Yellow—1 mfd.—400 V.
- Orange—1 mfd.—400 V.

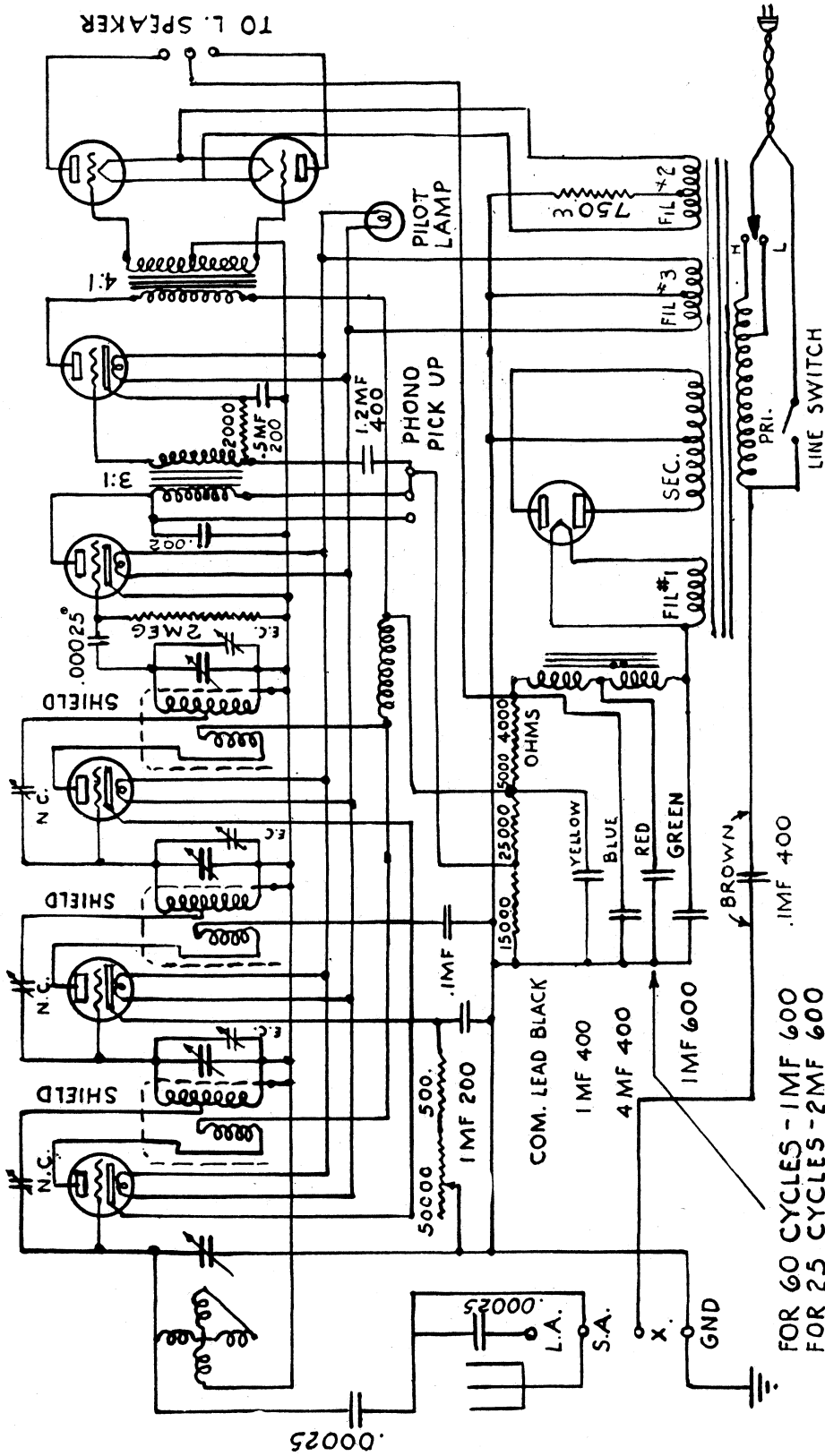


"BOTTOM VIEW"

"POWER TRANSFORMER TERMINAL STRIP"

MODEL 31, 32 AC
Schematic

EARL RADIO CORP.



FOR 60 CYCLES - IMF 600
FOR 25 CYCLES - 2MF 600
NC - NEUTRALIZING CONDENSER
EC - EQUALIZING CONDENSER
(A.C.)

Earl 31, 32

EARL MODELS 31 and 32

FRESHMAN—Earl—Model 31-32
Line Voltage 116—Set on High Volt Tap—Volume
Control Position On

TYPE OF TUBE	TYPE	VOLTS AC	RATIO		RESISTANCE PLUS IN OHMS OR SET	WAVE RATE (PERCENT)		
			1	2				
2BE7	DET.	250	2.10	2.07	5	3.5	0.1	4.6
2BE7	3RD R.F.	250	2.10	2.05	5	3.5	0.1	4.6
2BE7	2ND R.F.	250	2.10	2.04	5	3.5	0.1	4.6
2BE7	1ST A.	250	2.10	2.05	5	3.5	0.9	0.9
2BE7	1ST A.	250	2.10	2.05	5	3.5	2.8	5.6
2BE7	1ST A.	250	2.10	2.05	5	3.5	5.6	5.6
2BE7	1ST A.	250	2.10	2.05	5	3.5	5.6	5.6
2BE7	1ST A.	250	2.10	2.05	5	3.5	5.6	5.6

CX-380	Rect.	C-327	Det.	CX-345	2nd A.F.
C-327	3rd R.F.	C-327	2nd R.F.	C-327	1st R.F.