

## Jackson Bell Co., Ltd.

**Model:** 84

**Chassis:**

**Year:** Pre November 1935

**Power:**

**Circuit:**

**IF:**

**Tubes:**

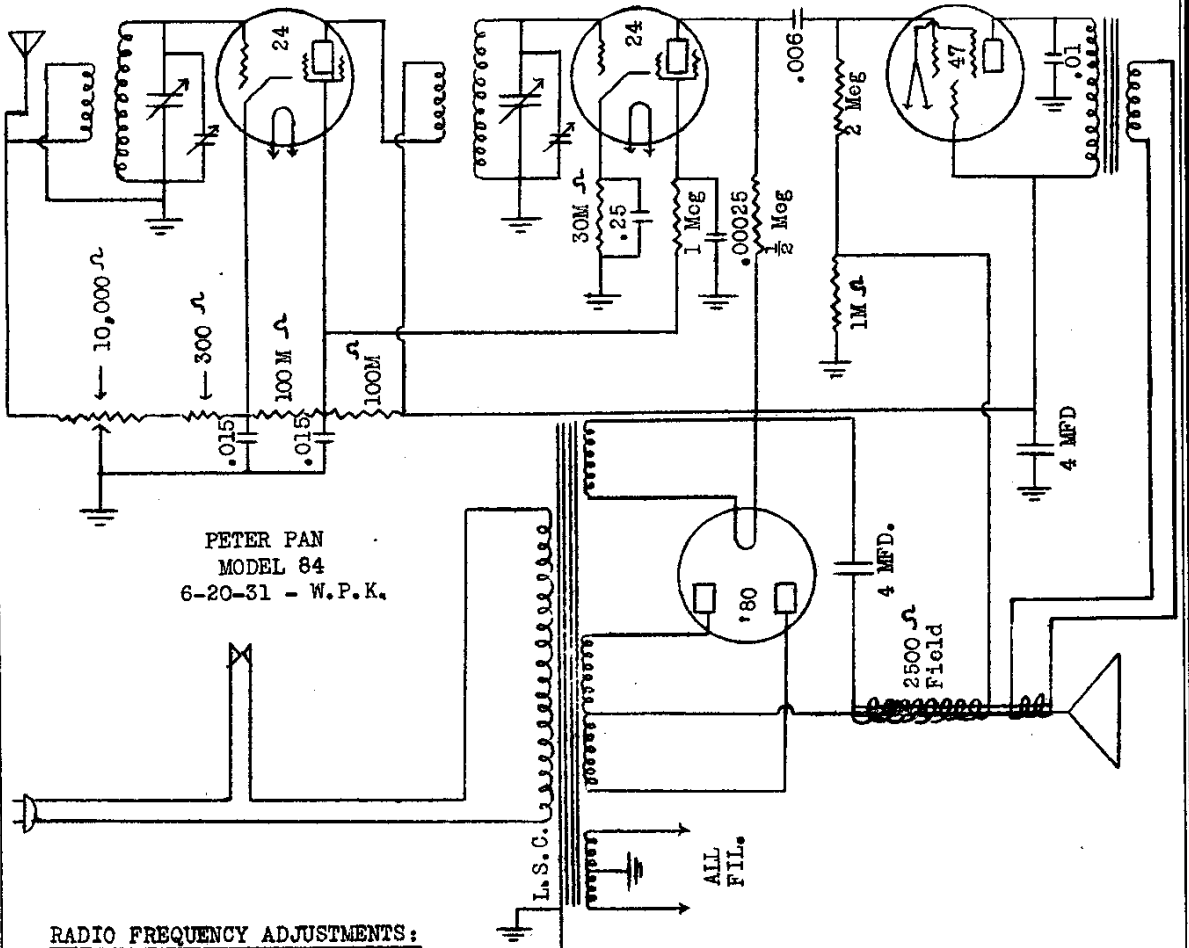
**Bands:**

Resources

**Riders Volume 6 - JACKSON-BELL 6-1**

JACKSON-BELL CO., LTD.

MODEL 84  
Schematic  
Voltage, Alignment



PETER PAN  
MODEL 84  
6-20-31 - W.P.K.

RADIO FREQUENCY ADJUSTMENTS:

Should it become necessary to resonate the radio frequency circuit, proceed as follows:

Set the tuning dial to road about 50 - then with a modulated oscillator and output meter (or a grid dip meter) resonate the two circuits at this point by means of the trimmer condensers on the main tuning condenser, then check for resonance at the end of each split plate in the condenser, bending plates where necessary. When properly resonated, and using about 50 feet of antenna, the set should oscillate, with volume control at maximum, up to 700 kilocycles.

VOLTAGE AND CURRENT VALUES

With the volume control at maximum, the following readings should be obtained, with an allowable 10% variation:-

Detector Plate Current,.....	0,15 M.A.	Line Voltage,.....	110 V.
Pentode Plate Voltage,.....	190 V.	R.F. Plate Voltage,.....	200 V.
Pentode Screen Voltage,.....	200 V.	R.F. Screen Voltage,.....	60 V. *
Pentode Grid Voltage,.....	13 V.	R.F. Cathode Bias,.....	1.5 V.
Pentode Plate Current,.....	24.0 M.A.	R.F. Plate Current,.....	2.2 M.A.
R.F. Filament,.....	2,2 V.	Detector Plate Voltage,.....	80 V.
Detector Filament,.....	2,2 V.	Detector Screen Voltage,.....	60 V.
Pentode Filament,.....	2,2 V.	Detector Cathode,.....	5 V.
Rectifier Filament,.....	4.1 V.		

\*These readings made with the 300,000 ohm voltmeter in a Jewel 199 Set Analyzer are not true readings, due to the high resistances in the receiver circuit.