

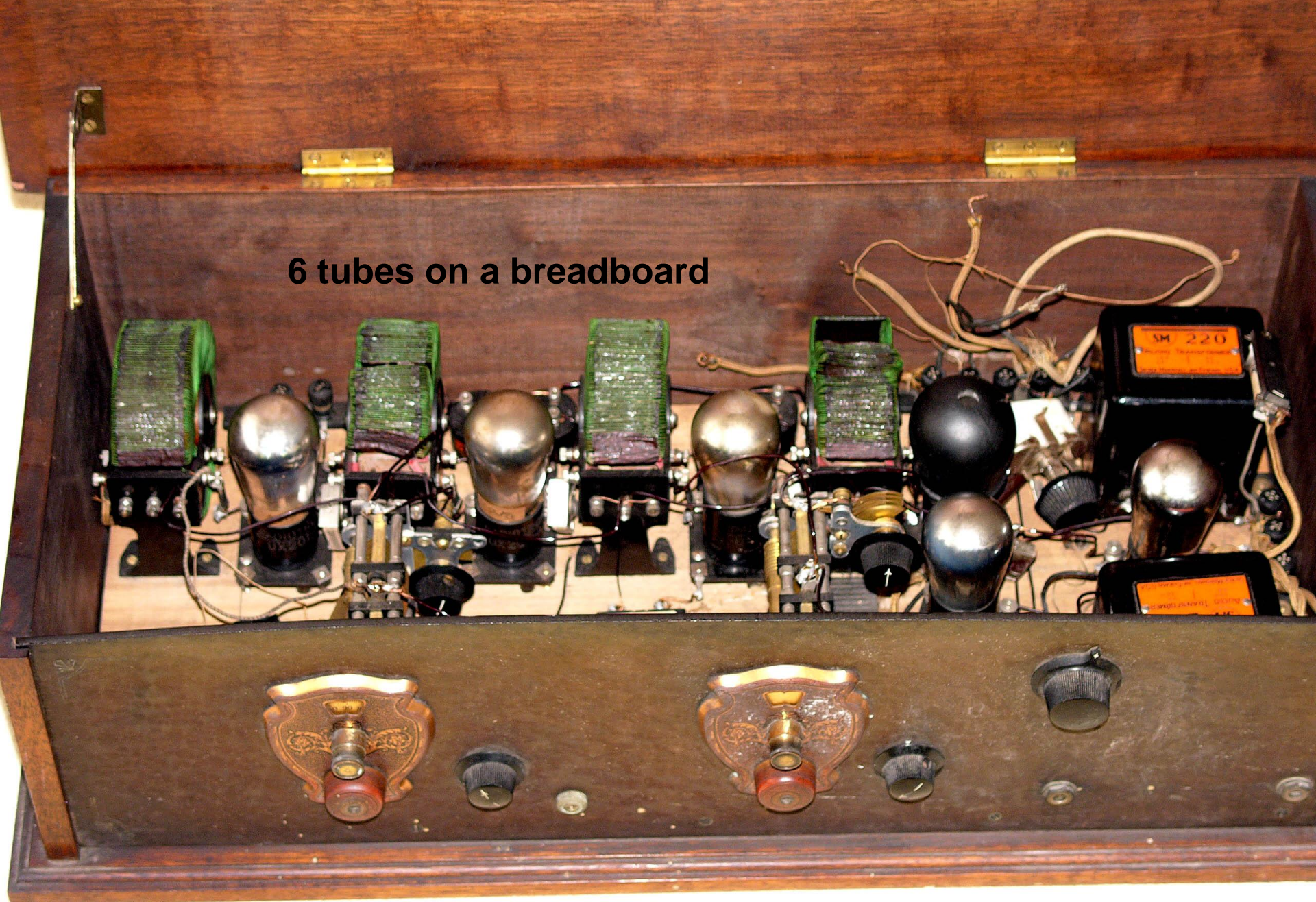
A “No-Name” Antique Radio Investigation

What is this?

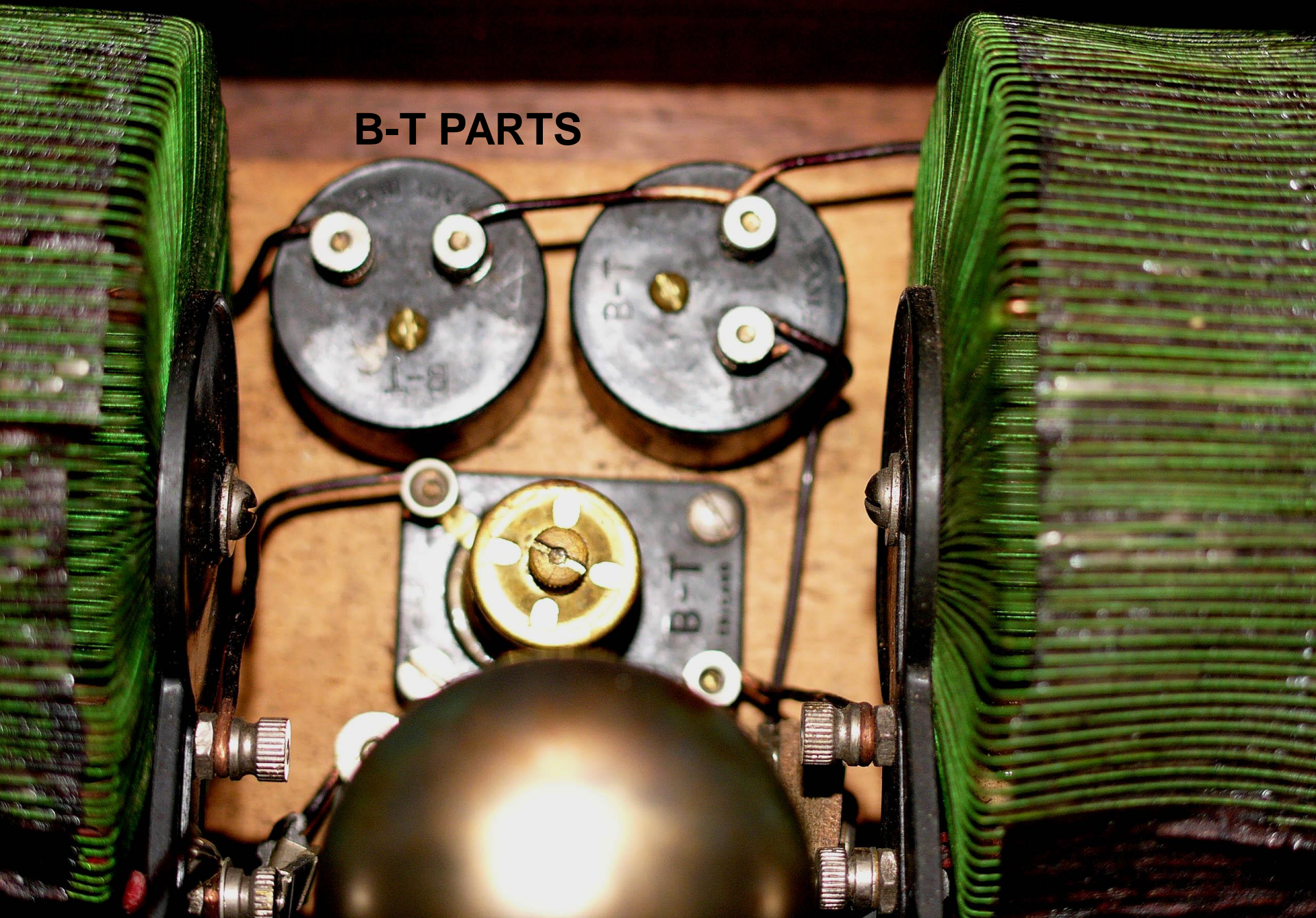


Has no brand name

6 tubes on a breadboard



B-T PARTS



Bremer-Tully Counterphase Model 6-40?



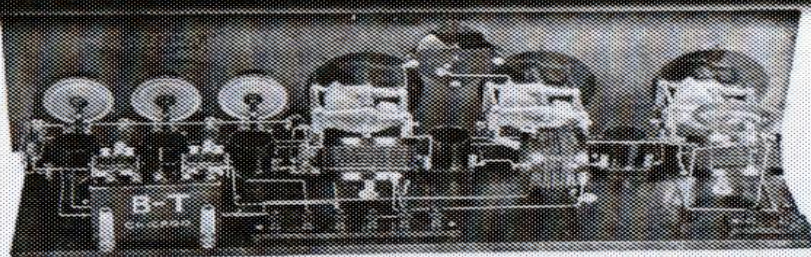
Front View Bremer Tully Counterphase Model 6-40?



Bremer-Tully Counterphase Model 6-40?



Model	Yr	# tubes	Model	Yr	# tubes
Counterphase 5	25	5	Model 6-40	28	7
Counterphase 6 kit	25	6	Model 6-41	28	7
Nameless kit	25	5	Model 7-70	28	8
Bremer-Tully "6"	25	6	Model 7-710	28	8
Counterphase 6 new	26	6	Model 7-71D	28	8
Counterphase 8	26	8	Model 8-20	28	9
Counterphase Power 8 kit	26	6	Model 8-21	28	9
Counterphase 6-22	27	6	Model 8-22	28	9
Counterphase 6-35	27	6	Model 7-714	28	9



ONE KIT NO. 3

B.-T. LOW LOSS "NAMELESS" R. F. CIRCUIT



- CONTENTS OF
1. SET 3 - CIRCUIT TRANSFORMERS
2. 250 M. M. V. LIFETIME CONDENSERS
3. PLATE CONDENSER
4. 1" DIAL
5. SET DIAGRAMS AND INSTRUCTIONS



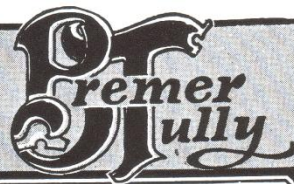
"THE HOOK-UP YOU HOPED FOR"

Model No. 3-1-1



B.-T. LOW LOSS "NAMELESS"
R.-F. CIRCUIT





Greater Value

The B-T record for having produced only *outstanding radio successes* carries more weight each year.

The cumulative effect of added numbers of satisfied users—the increased extensiveness of the Line,—make the B-T Franchise a *greater value* than ever before.

At \$110.00 the new Six provides Counterphase quality at a price that will appeal to a widely extended market.

Additional models in both sixes and eights furnish a complete line.

A.C. operation is provided for in Counterphase 6-37 and 8-16 at somewhat higher prices than the regular light socket models illustrated.

Measuring up to the high B-T standard the new Speaker marks a great stride forward. You cannot help being impressed with its excellent performance.

Factory authorized and factory protected B-T dealers are more than ever satisfied to continue their franchises. They appreciate its increasing value.

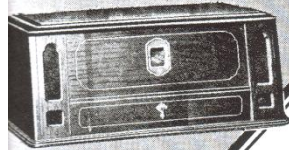
You also can profit handsomely by securing the B-T franchise in your community. It may still be open. *Write today.*

Bremer Tully
Mfg. Company

520 S. Canal St.

Chicago

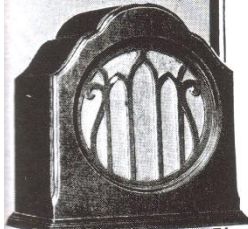
The Counterphase is covered by numerous exclusive Bremer-Tully patents and is licensed by R.C.A. and affiliated companies.



Counterphase 8-12
Price \$215.00



Counterphase 6-37
Price \$165.00



B-T Speaker
Price \$35.00



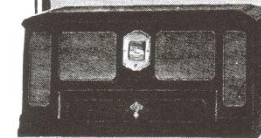
Counterphase 8-16
Price \$295.00



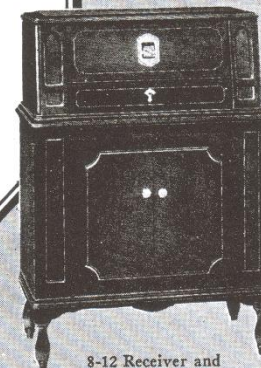
Counterphase 6-35
Price \$110.00



B-Power Unit
Price \$37.50



Counterphase 6-22
Price \$140.00



8-12 Receiver and
No. 14 Table
Price of Table \$50.00

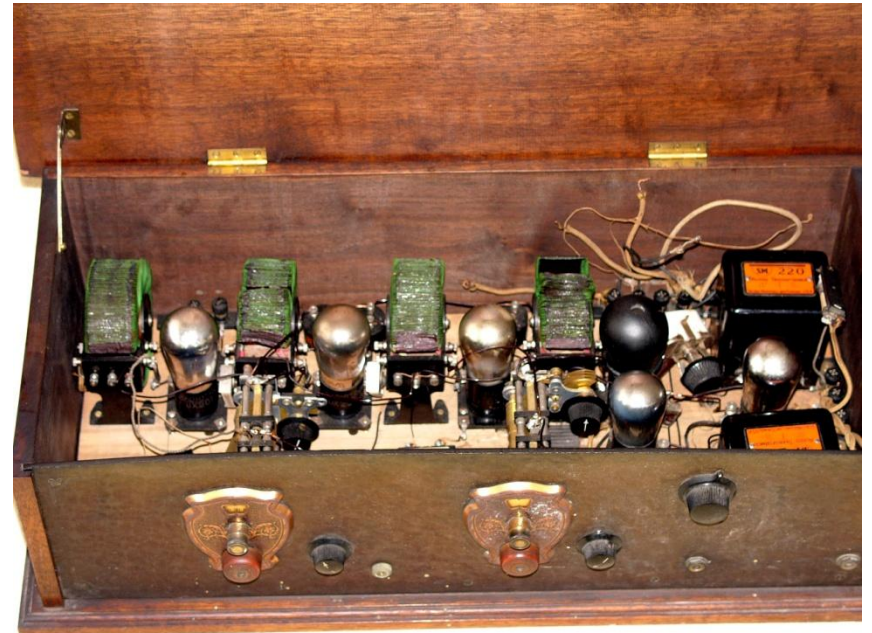
Bremer-
Tully
1928

Bremer-Tully ??

Bremer-Tully Seven Tubes



Nameless ?? Six Tubes



Bremer-Tully 7 Tube



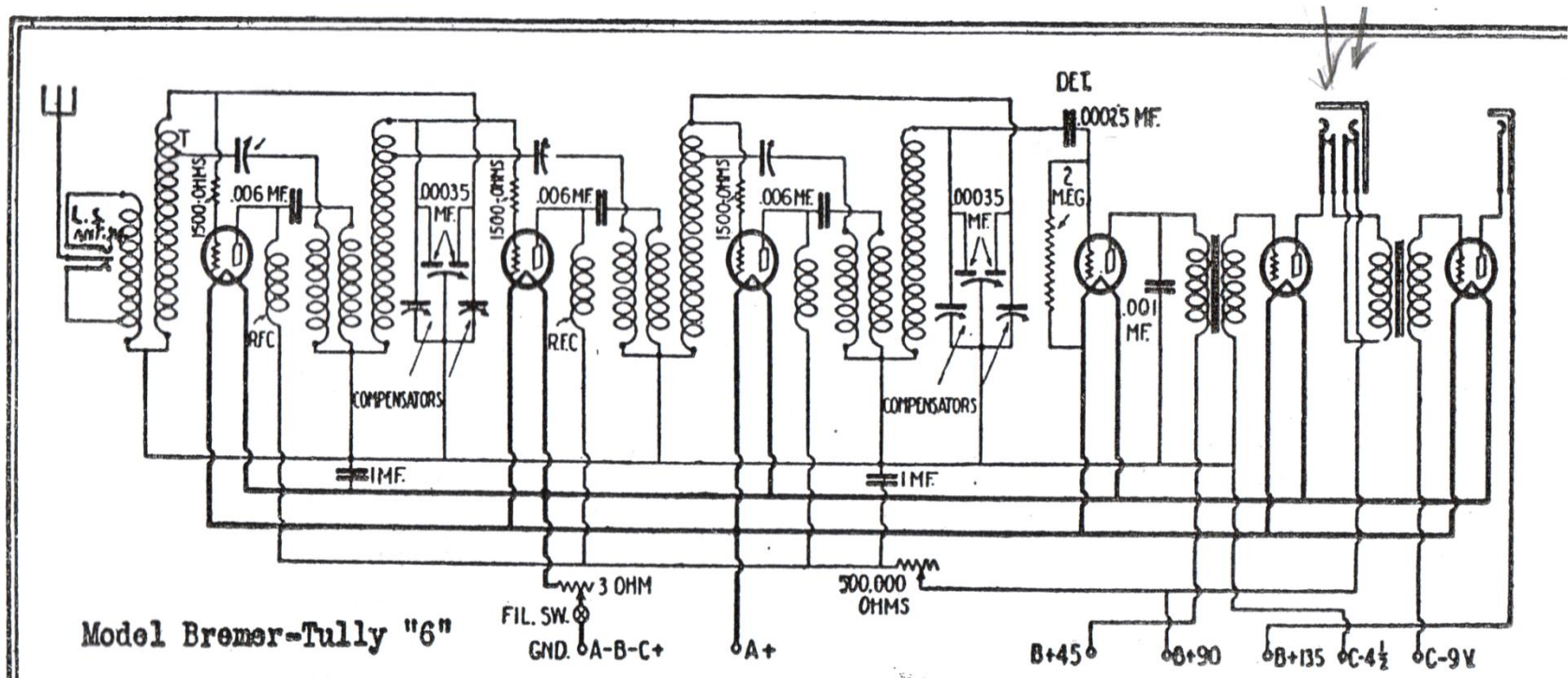
Bremer-Tully ???



Bremer-Tully Counterphase “6”

- Manufactured 1925
- Kit (parts plus instructions) or blueprints
- TRF (tuned radio frequency) design
- 6 Tubes (all triodes) – 5 volt filaments @ 0.25A
- Plate voltage 90 – 135 V @ 2.5 – 3.0 ma.
- Grid Voltage -4.5 to -9 v
- Battery-powered (A+, B+, C-)
- Price \$38

Circuit for Bremer-Tully Counterphase "6"



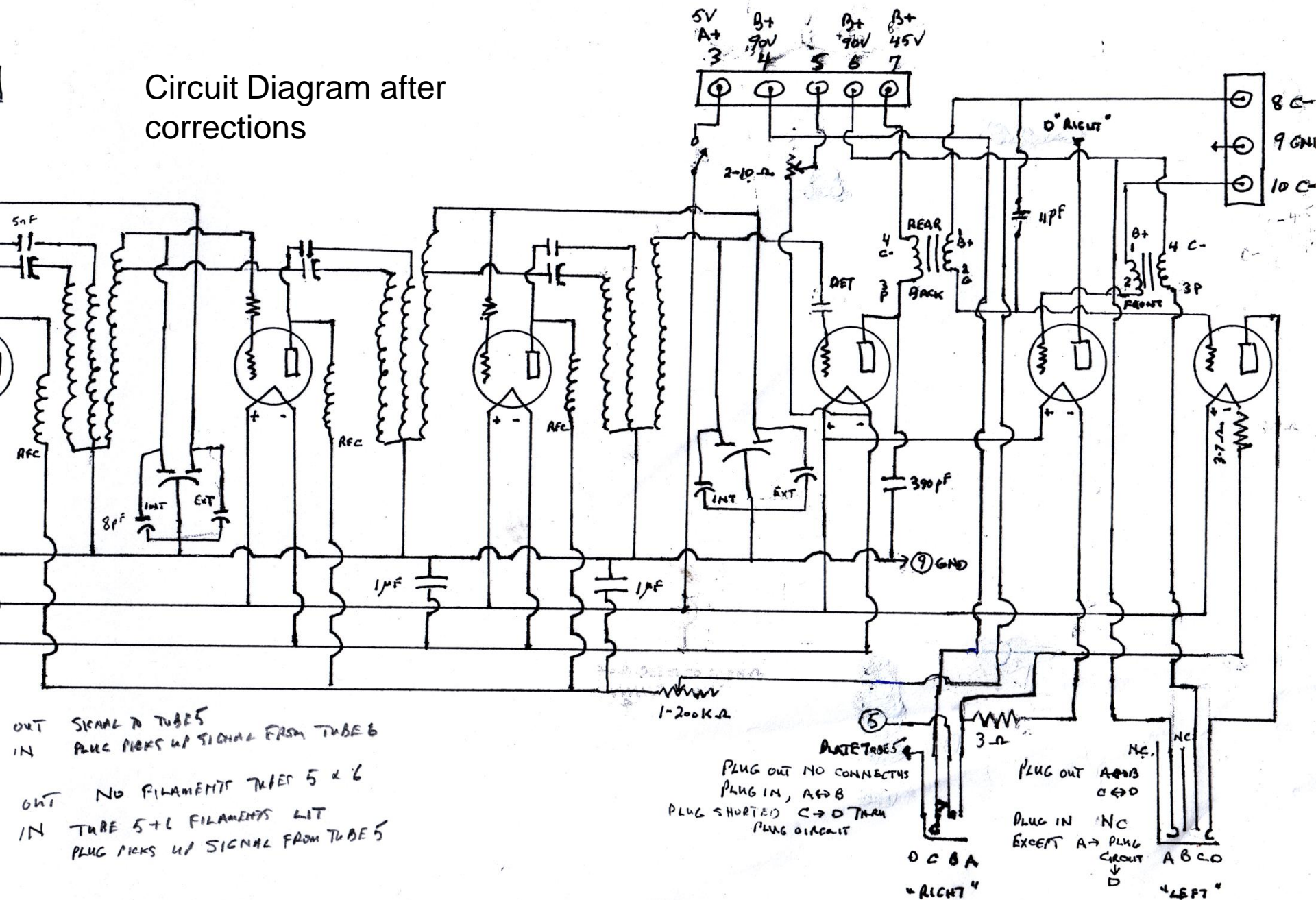


220
TRANSFORMER
4F
40-
S.M. CHICAGO, U.S.A.

220
SM
AUDIO TRANSFORMER
4F
40-
S.M. CHICAGO, U.S.A.

UBILIER

Circuit Diagram after corrections



Mystery Box

- Repaired four broken solder connections.
- Shorted inoperative A+ front panel key.
- Vacuumed cabinet and polished exterior.
- Cleaned all contacts
- Has loose 3 – 10 Ω rheostat that adjusts filament voltages on audio amplifier tubes.
- “left” plug in picks up signal from tube 6 else sends signal from tube 6 to tube 5.
- “right” plug picks up signal from tube 5.

Results

- Unable to locate original circuit diagram
- All tube filaments light up with 5 V DC.
- Circuit accepts B+ 90 and 45 voltages.
- Circuit accepts C- 4.5 volts.
- 1 MHz. signal is amplified through first stage but not through subsequent stages.
- Adjusting variable capacitors or trimmers does not seem to affect amplification.

To Do

- Check tubes
- Test or replace capacitors?
- Determine optimum external circuit for headphones
- ??????