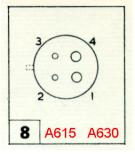


## "Miniwatt" TECHNICAL DATA

TYPE No.	DESCRIPTION	DATA WHEN USED AS	T Y P E	Voltage  Volts	DOMESTIC AND ADDRESS OF THE PARTY OF THE PAR	Plate volt- age Volts	Plate cur- rent Milli- amps	Grid bias (ap- prox.) Volts	Mutual con- duct- ance µmhos	Ampli- fication factor	Plate resist- ance Meg- ohms	Load resist- ance Ohms	Power output  Watts	Grid- plate capaci- tance µµF	Base Fig.	PIN 1	2	3	4	NS 5	TYPE No.
A615	AMPLIFIER TRIODE	Amplifler	F	6.0	0.08	150	4.0	-4.5	2400	15	6250 Ohms	-	-	-	10 8	A F+	F A	G <sub>1</sub>	F F-		A615
A630	AMPLIFIER TRIODE	Amplifier	F	6.0	0.06	150	0.7	-1.5	1500	30	0.02	-	-		10 8	A F+	F A	G <sub>1</sub>		_	A630

## BASE FIGURES

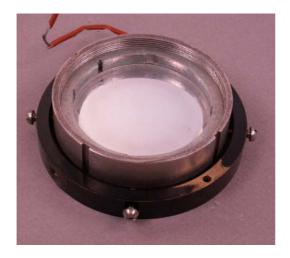


## 1920s Condensor Microphone



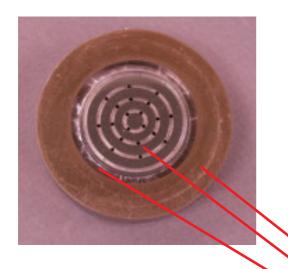
The capsule's diaphram is grounded. A 32mm diameter back plate is supported on a mica insulator.

The capsule was shorted out and had to be disassembled.



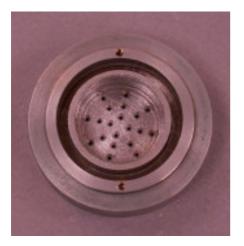


Looking at the rear of the diaphram after the back plate assembly had been removed.

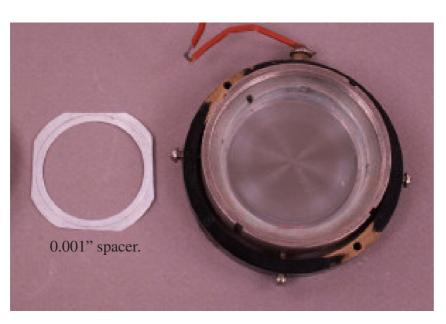




Back plate assembly.
Outer brass ring is grounded.
32mm back plate...
is insulated from the outer ring with mica.



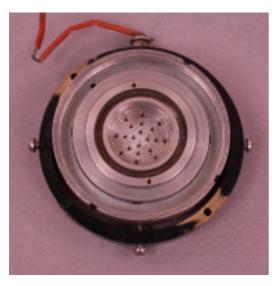
Rear view of above assembly.



Back plate assembly is spaced away from the diaphram by a 0.001" thick spacer.

Once clamped together, the diaphram would short out to the back plate. The mica supporting the back plate was slightly distorted. Rather than risk damaging the mica insulation, it was decided to leave it as is. An additional spacer was fitted.

This reduced the capacitance from 120pF to 84pF. An unfortunate byproduct of getting it to work at all.



Back plate assembly drops into main body.



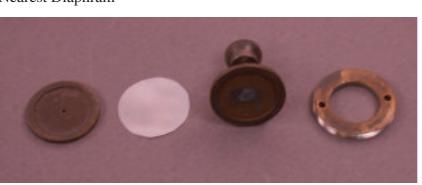
Back plate assembly clamping ring is threaded on its outer edge.



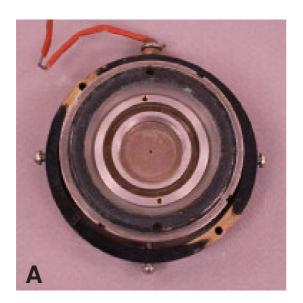
Back plate assembly clamped into place.

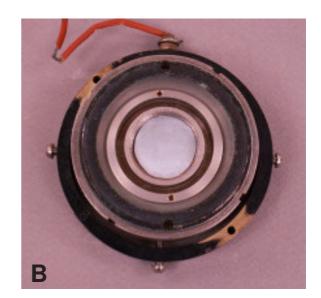


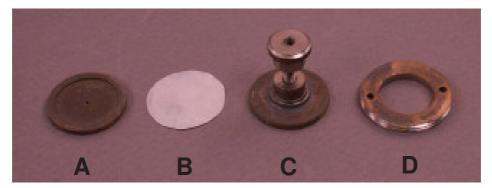
Nearest Diaphram



Components on rear of the back plate.
A 0.001" thick disk is sandwiched into a small cavity between two brass disks, one of which has the terminal attached.







Item D is threaded on its outer edge.

