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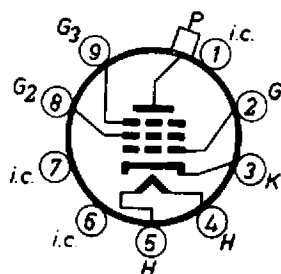
LINE TIME BASE AND SOUND OUTPUT PENIODE

Physical Specifications

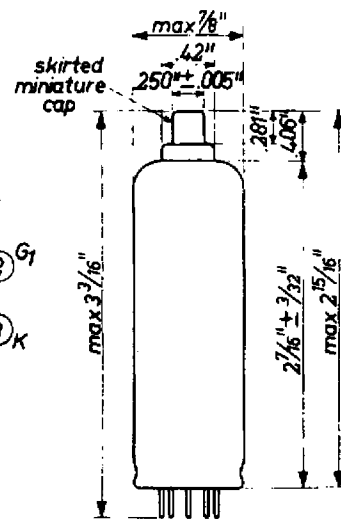
Cathode	Coated unipotential
Base	Small button noval 9-pin
Bulb	T6 $\frac{1}{2}$
Maximum overall length	3 $\frac{3}{16}$ "
Maximum seated height	2 $\frac{15}{16}$ "
Bulb length excluding top cap	2 $\frac{7}{16}$ " \pm $\frac{3}{32}$ "
Maximum diameter	$\frac{7}{8}$ "
Mounting position	any
Basing connections - JETEC basing designation	9AS

- Pin 1 - Internally connected
- Pin 2 - Grid No.1
- Pin 3 - Cathode
- Pin 4 - Heater
- Pin 5 - Heater
- Pin 6 - Internally connected
- Pin 7 - Internally connected
- Pin 8 - Grid No.2
- Pin 9 - Grid No.3
- Cap - Plate

Bottom view of base



Tube outline



General Electrical Data

Heater data

Heater voltage	6.3 volts
Heater current	1.05 amps

Direct Interelectrode Capacitances

Grid No.1 to all other electrodes	14.7 μ F
Plate to all other electrodes	6.0 μ F
Plate to grid No.1	max. 0.8 μ F
Plate to cathode	max. 0.1 μ F
Grid No.1 to heater	max. 0.2 μ F

Remark for use in line time base output stages

To allow for tube spread and for deterioration during life, the circuit should be designed around a peak anode current not exceeding

250 m amps at a plate voltage of 70 volts and a grid No.2 voltage of 170 volts, or

310 m amps at a plate voltage of 70 volts and a grid No.2 voltage of 200 volts.

The peak anode current of an average new tube at a plate voltage of 70 volts and a grid No.1 voltage of -1 volt is

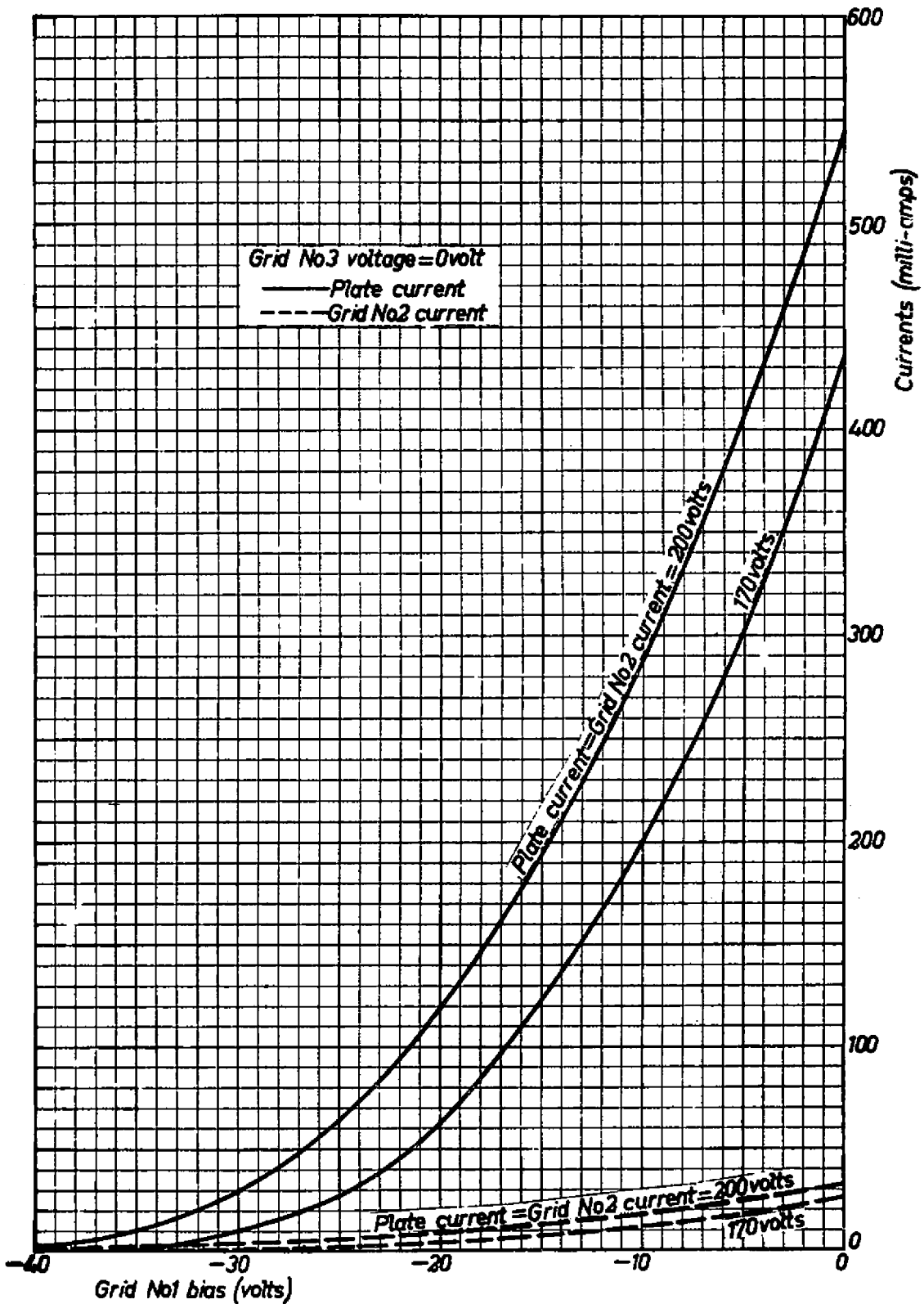
380 m amps at a grid No.2 voltage of 170 volts, and
470 m amps at a grid No.2 voltage of 200 volts.

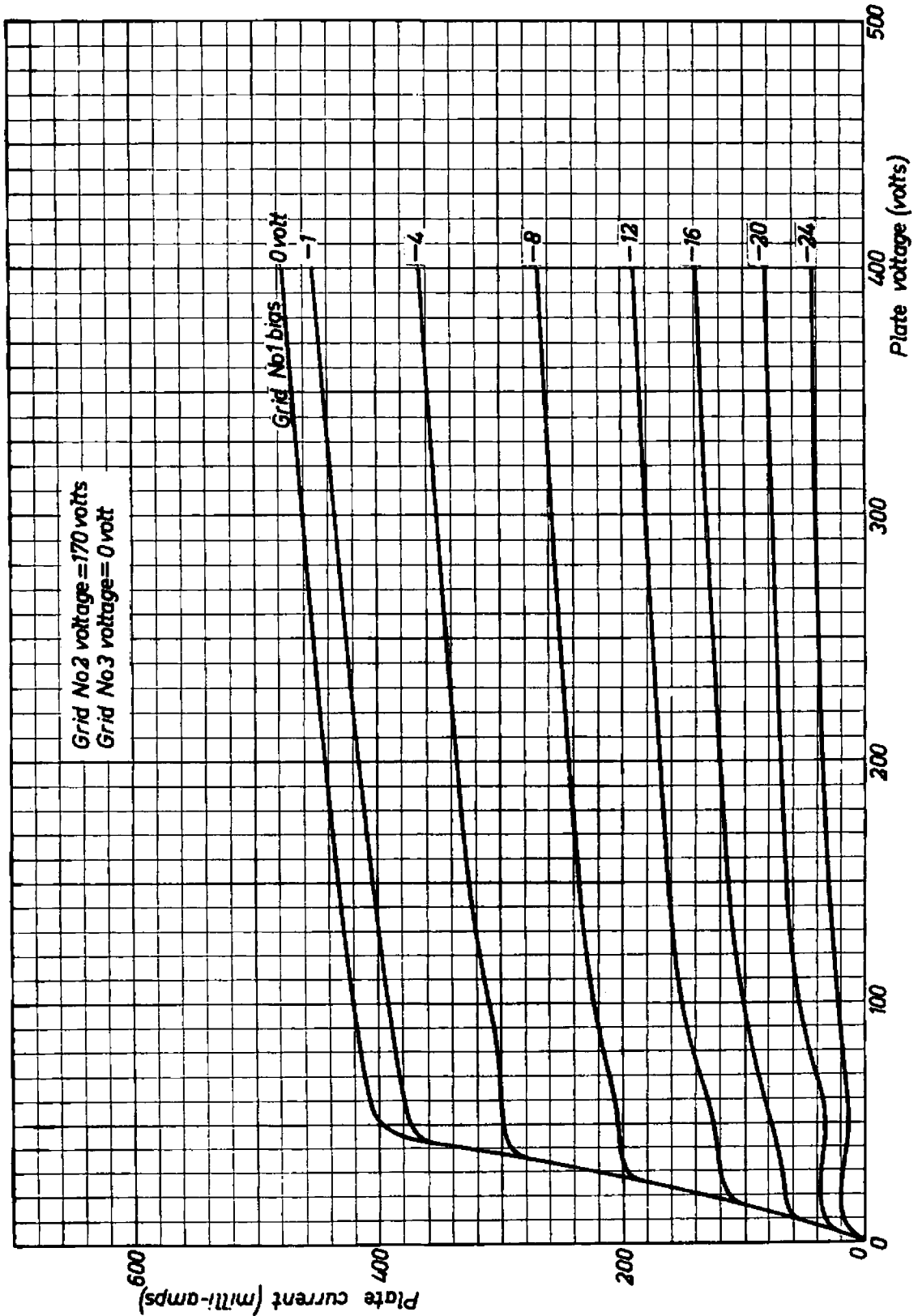
Operating characteristics of two tubes as class B push-pull sound amplifier

Plate voltage	170	200	volts
Grid No.3 voltage	0	0	volt
Grid No.2 voltage	170	200	volts
Common grid No.2 resistor	1000	1000	ohms
Grid No.1 voltage	-27	-31.5	volts
Load resistance plate to plate	2500	2500	ohms
Input A.C.voltage	0 19	0 22.5	volts,rms
Plate current	2x20 2x73	2x25 2x87	ma
Grid No.2 current	2x1.5 2x10	2x2.0 2x12.5	ma
Output	0 13.5	0 20	watts
Total distortion	- 5.5	- 5.5	%

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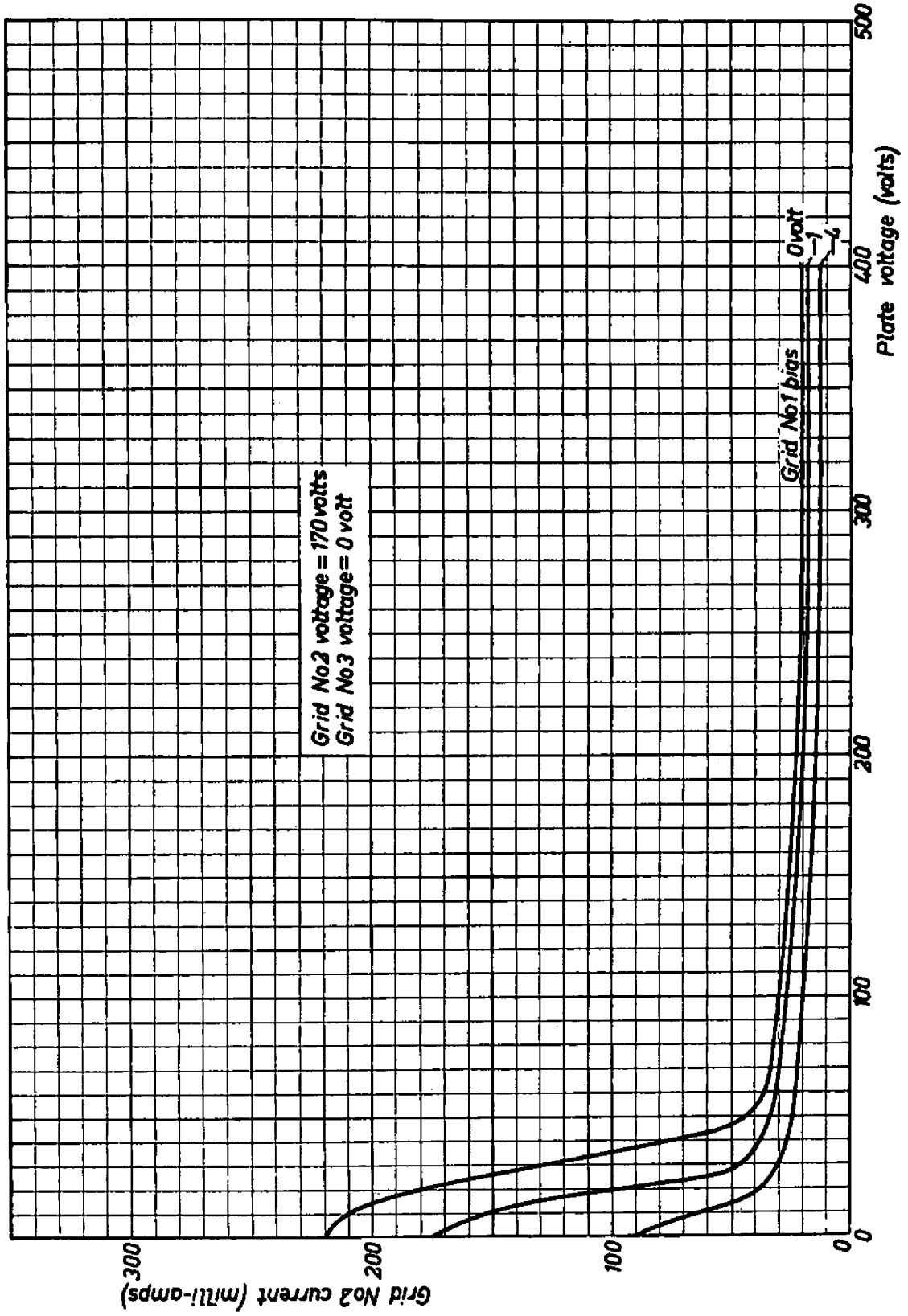
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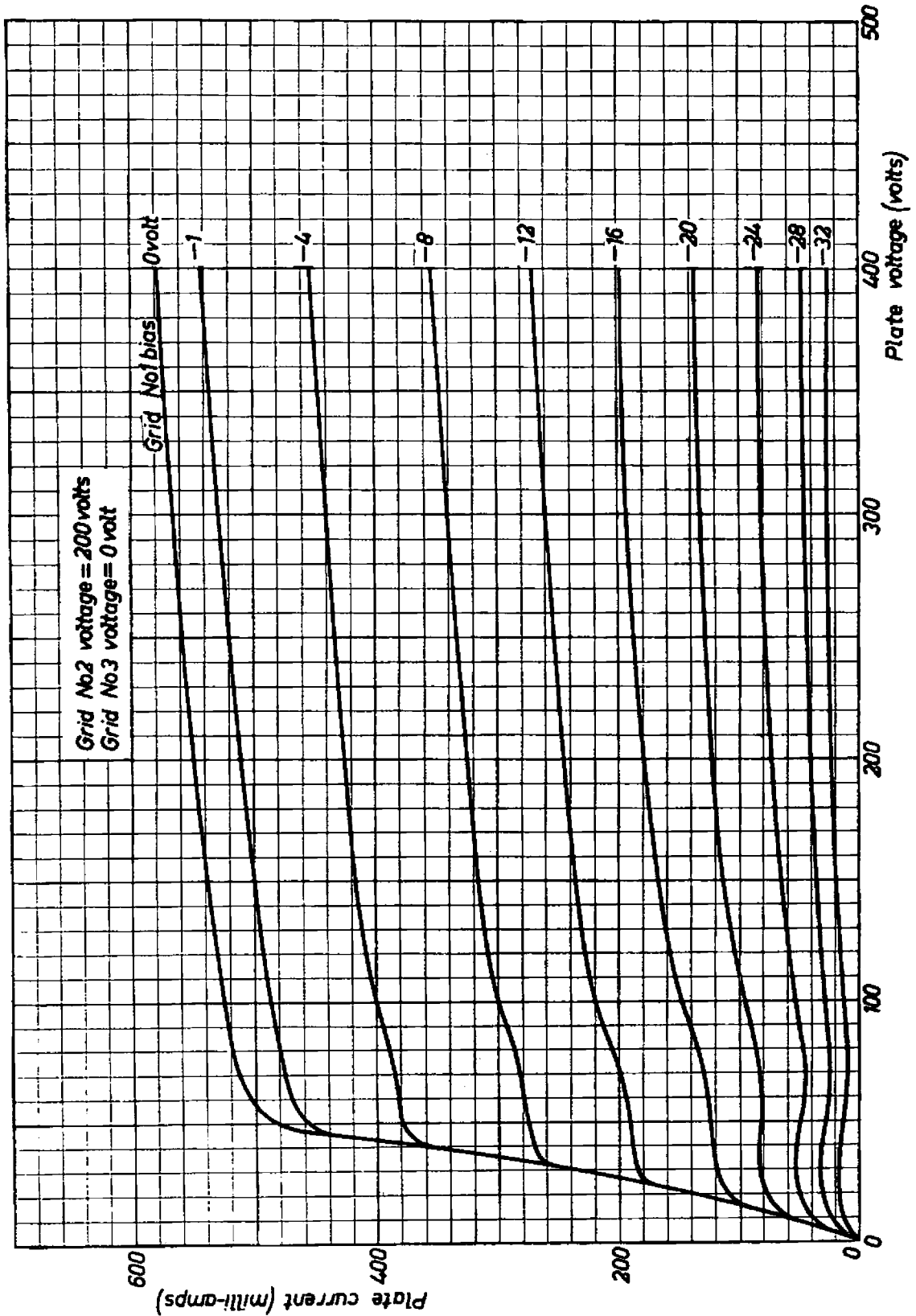




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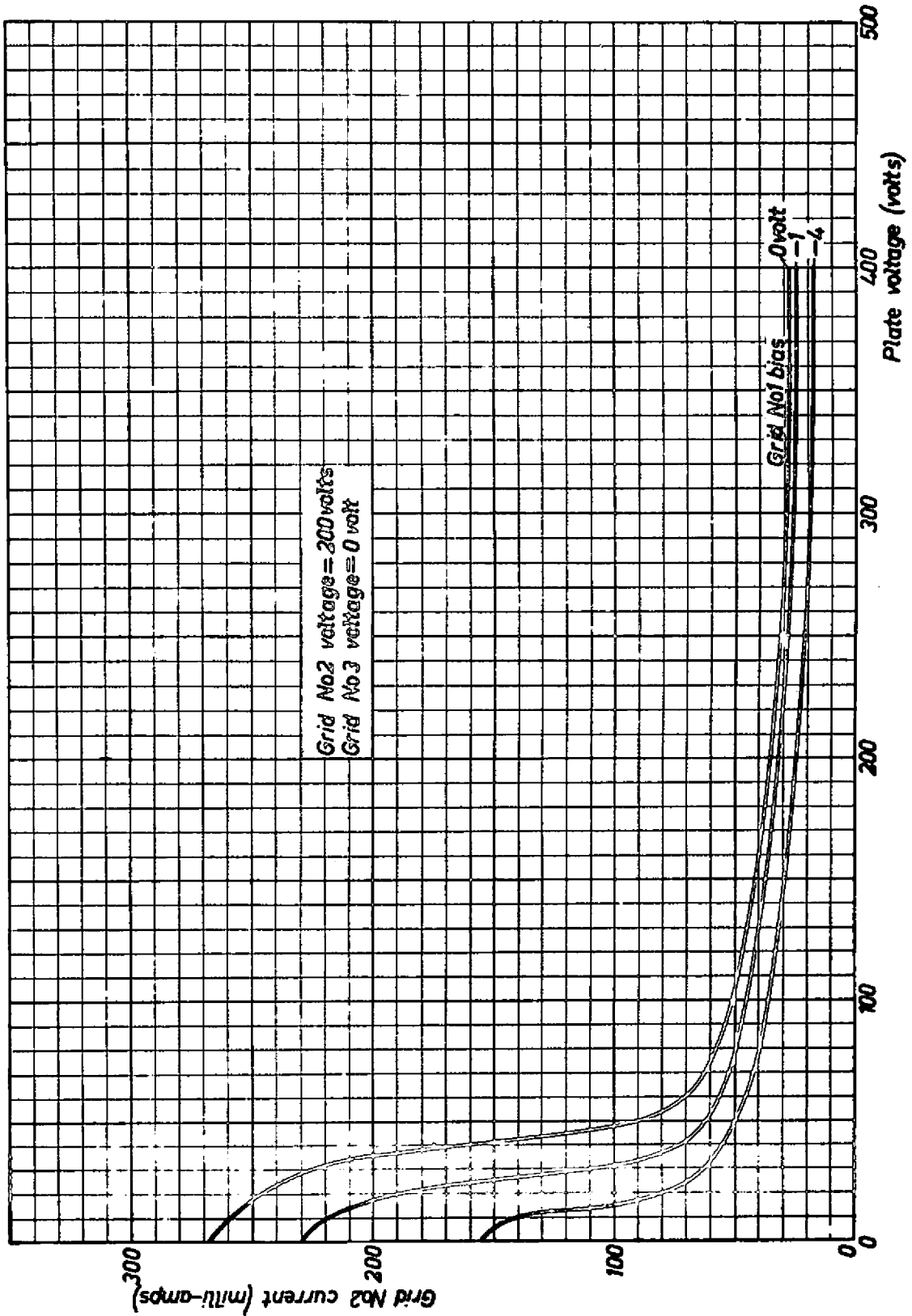
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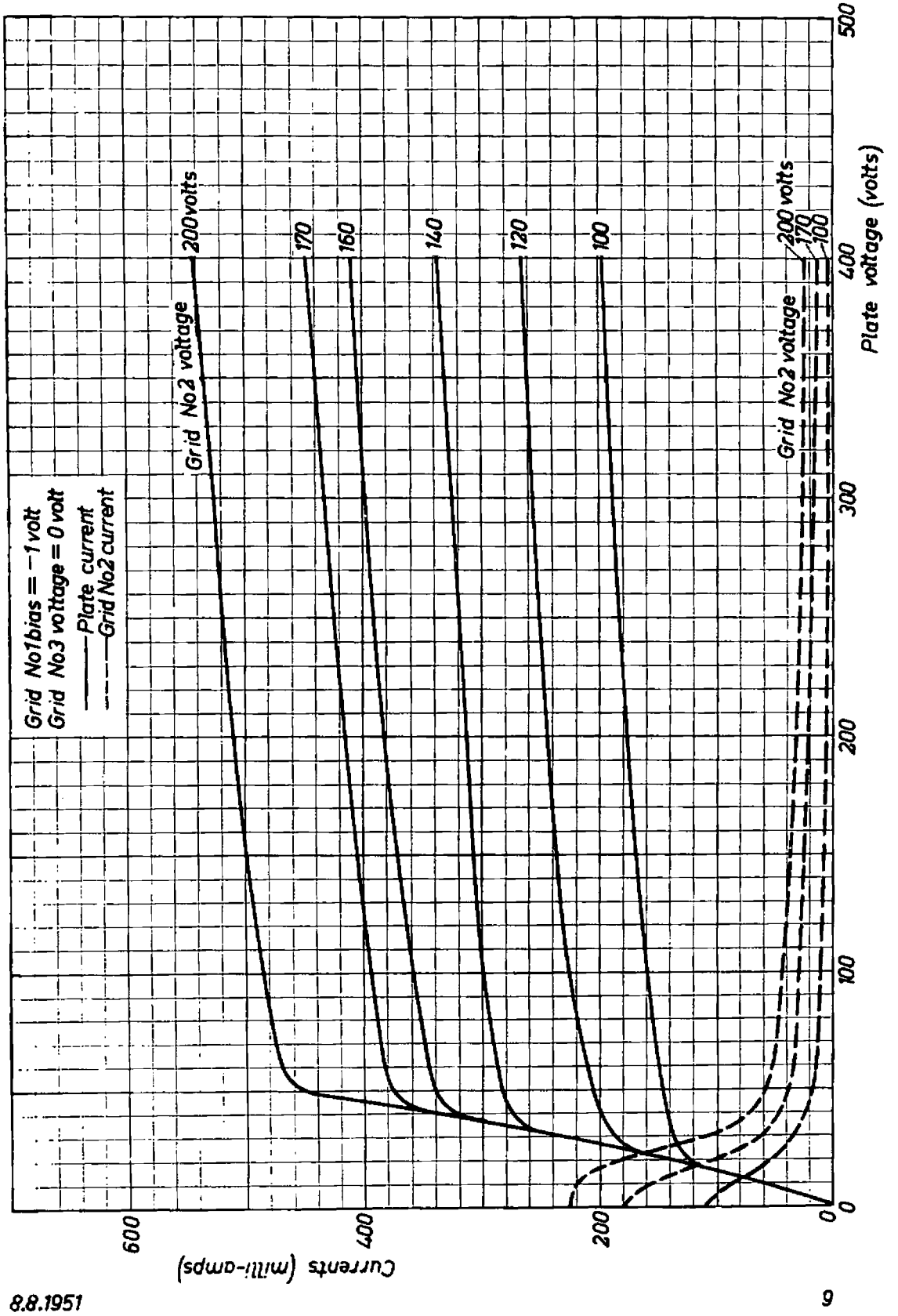




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