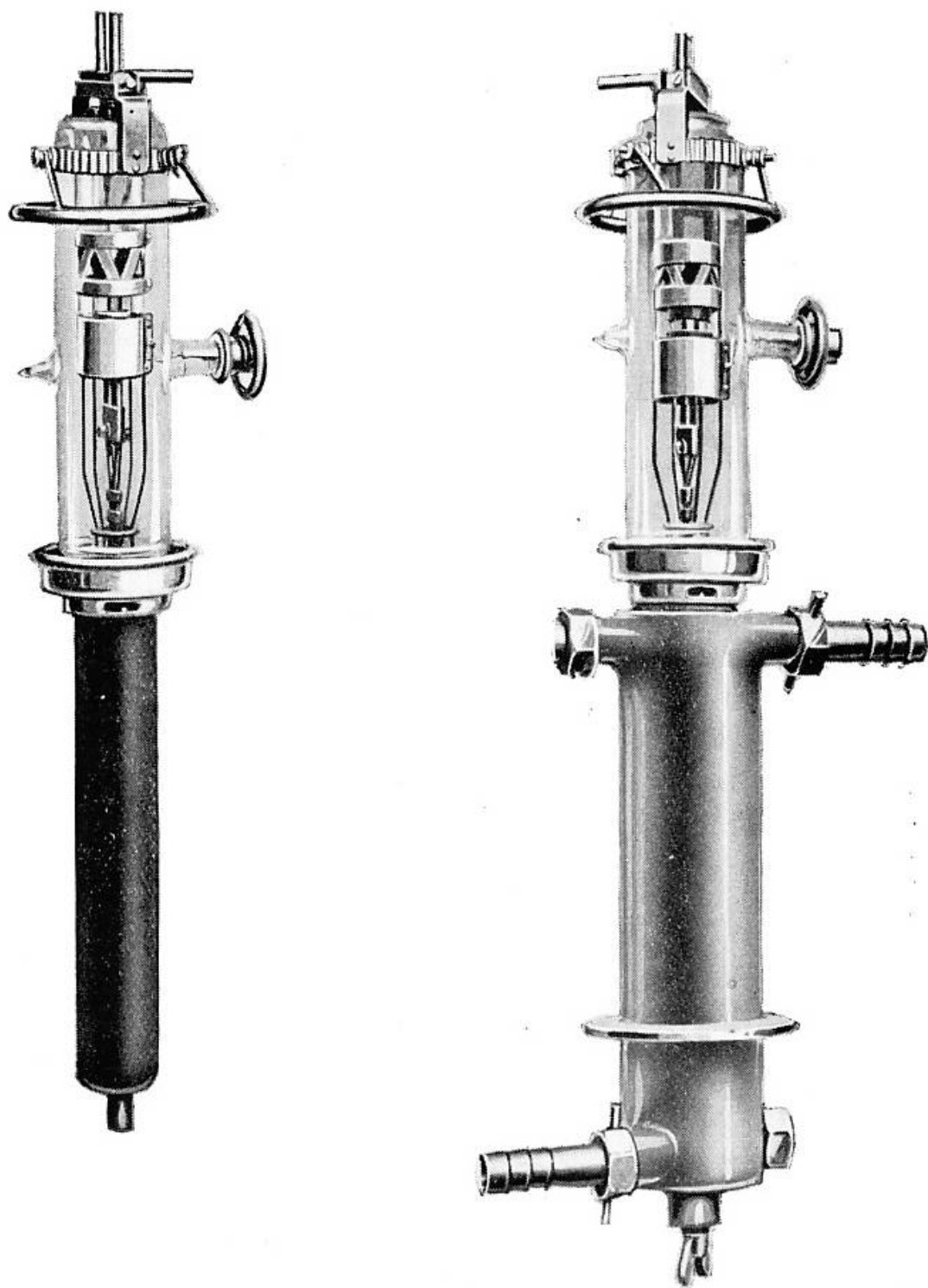


Transmitting Valve

TYPE C.A.T.5

(Cooled Anode)



2767

(Approximate overall dimensions : 728 × 125 m/m.)

A transmitting valve in which the anode forms part of the valve envelope, designed for cooling by a liquid circulated in direct contact with the anode. When water is used as the cooling liquid the rate of flow should be 2 to 4 gallons per minute, depending on the conditions of use.

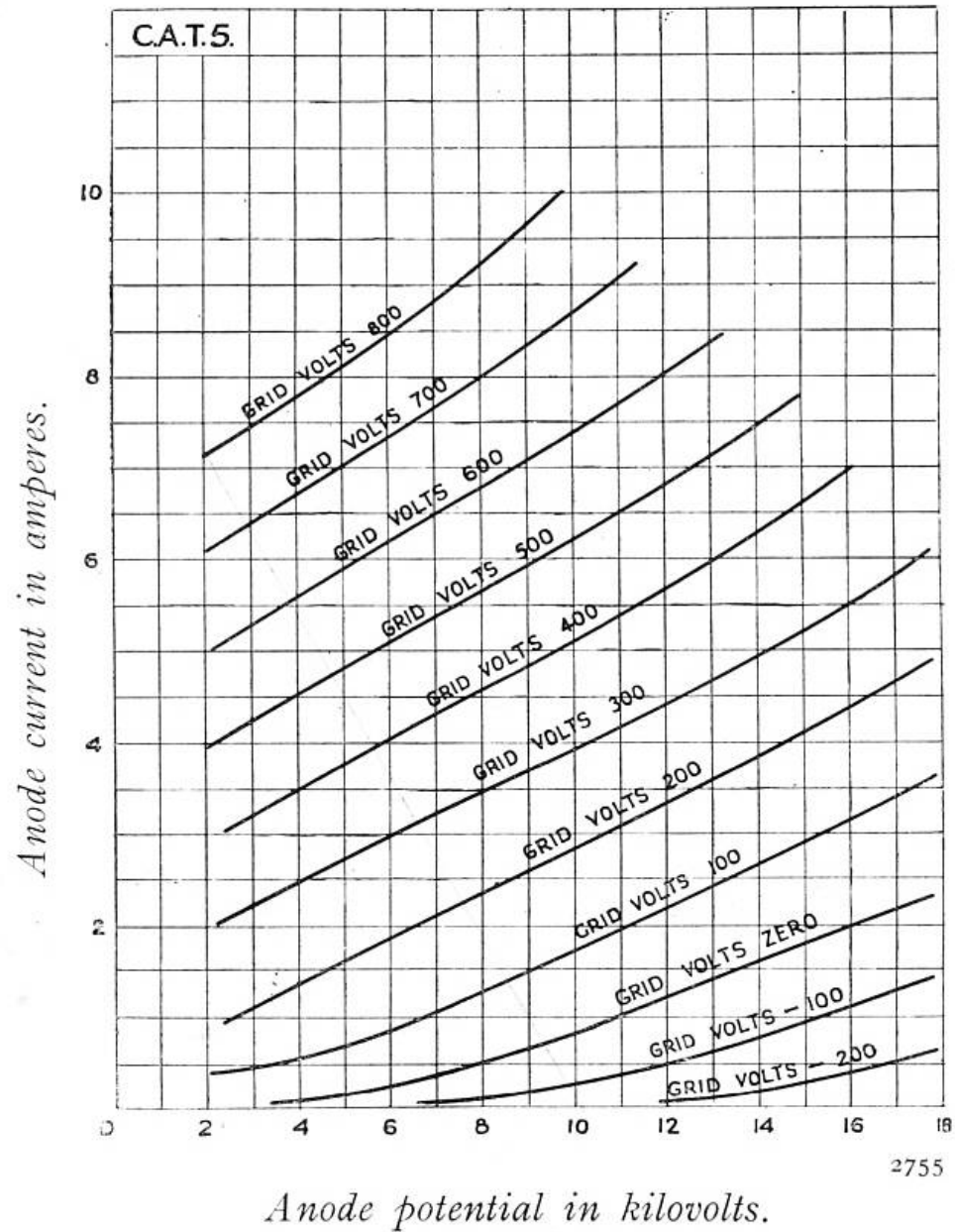
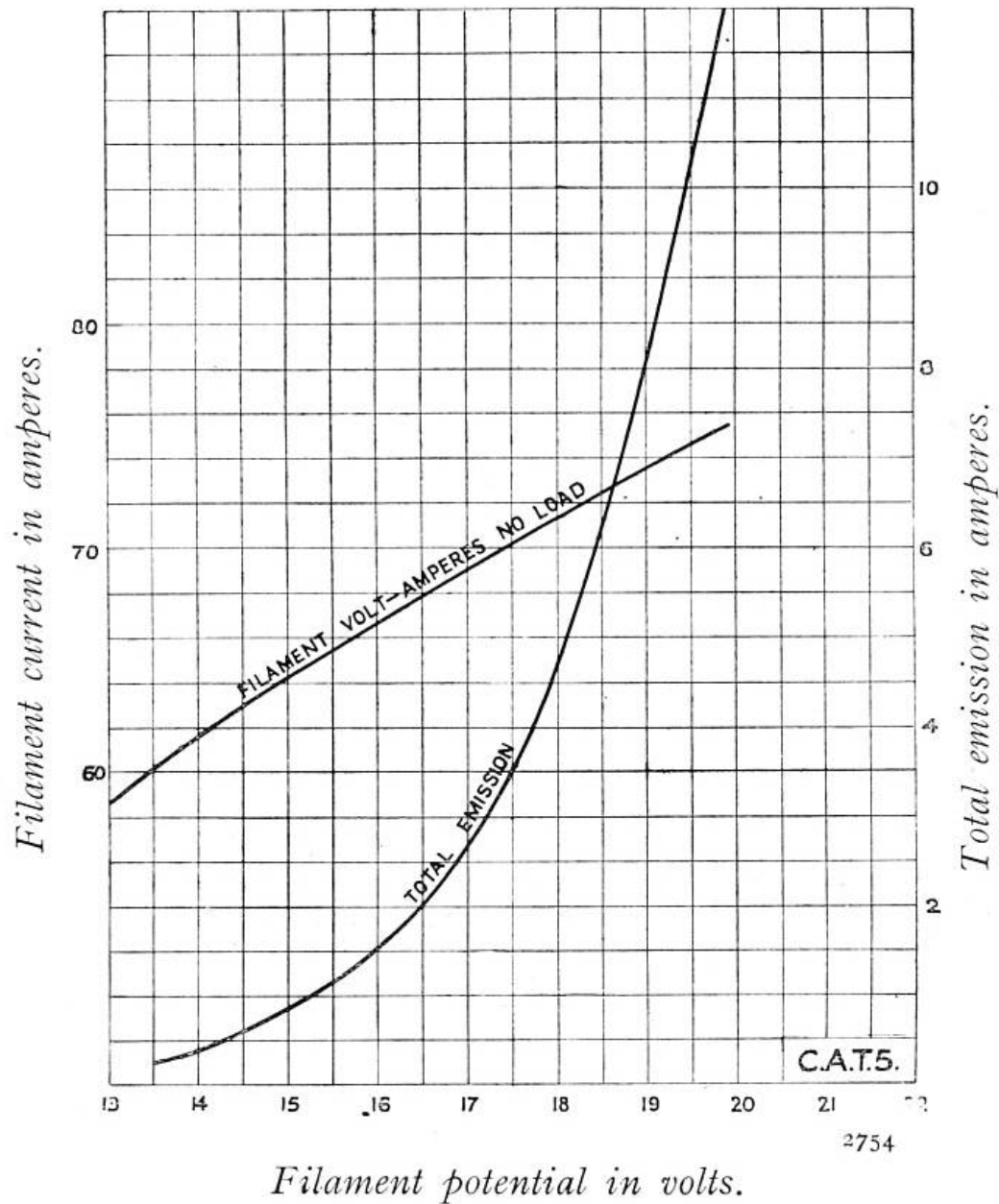
Used in a suitable circuit it is capable of dealing with a maximum input under oscillating conditions of 20 kw. at 12,000 volts on a long wavelength telegraphic load, and 15 kw. at 12,000 volts on a telephonic load using anode voltage modulation.

Approximate Data :

Filament volts	18—20	Total emission (amps.) ..	5—12
Filament amperes	75	*Impedance (ohms)	6,000
Anode volts	10,000—12,000	*Amplification factor	45

* Taken about anode volts 10,000 and grid volts 0.

Code Word : IVOEF



Characteristic Curves of Average Valve.

TYPE C.A.T.5