AMPLIFIER PFL/4

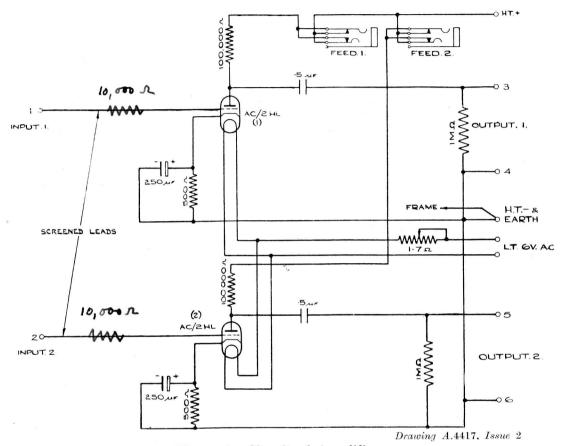
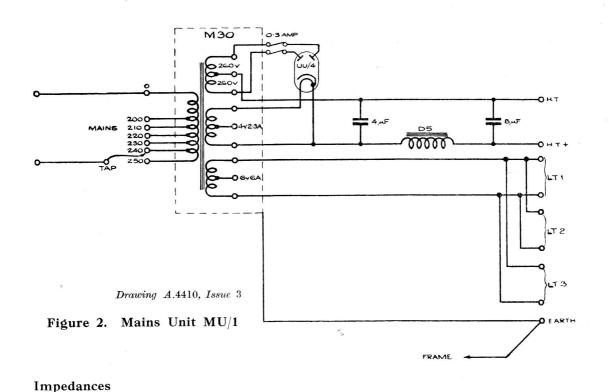


Figure 1. Circuit of Amplifier

This is a pre-fade listening amplifier and is installed in the gramophone reproducing desks TD/7A at certain stations. It consists of two separate amplifiers with their inputs connected to the outputs of the two gramophones fitted on the desk. Provision is made for connecting headphones via key switching across the output of either amplifier.

Circuit

The amplifier consists of two independent single-stage amplifiers without either input or output transformers. The grid bias is automatic and jacks are provided for measuring the individual anode currents. No volume control is provided. The rectified H.T. and A.C. L.T. supplies for operating these amplifiers are obtained from the mains unit, MU/1, common to the six amplifier units incorporated in the standard triple desk (six turntables) provided for gramophone reproduction.



Input impedance							Infin	$_{ m nite}$		
Output impedance						(approx)	15,000	ohms	
Normal load		e (1 pi	r. Eric	sson h	neadpho	nes				
at 1,000						((approx)	18,000	ohms	
Supply Data										
		Z	1 utoma	tic						
Stage	Valve	Grid Bi		as	$Anode\ Curre$		rent	filaments		
		Vo	Volts negative			mA (approx)			Amps	
Each stage	AC 2HL		1			2		4	1	
						_				
	Tota	1 19 0	tages)			4			2	
	1010	0 (2 3	uagos,							
High Tension S		. (2 3			٠	300	V rectif	ied A.C	.	
High Tension S Low Tension S	Supply	,			• • •				l to 4V	

Infinite

Working Voltage Gain

Testing Conditions Output loaded with 18,000 ohms and at approximately zero level

 $30\,\pm2\,$ db. Gain at 1,000 c/s.